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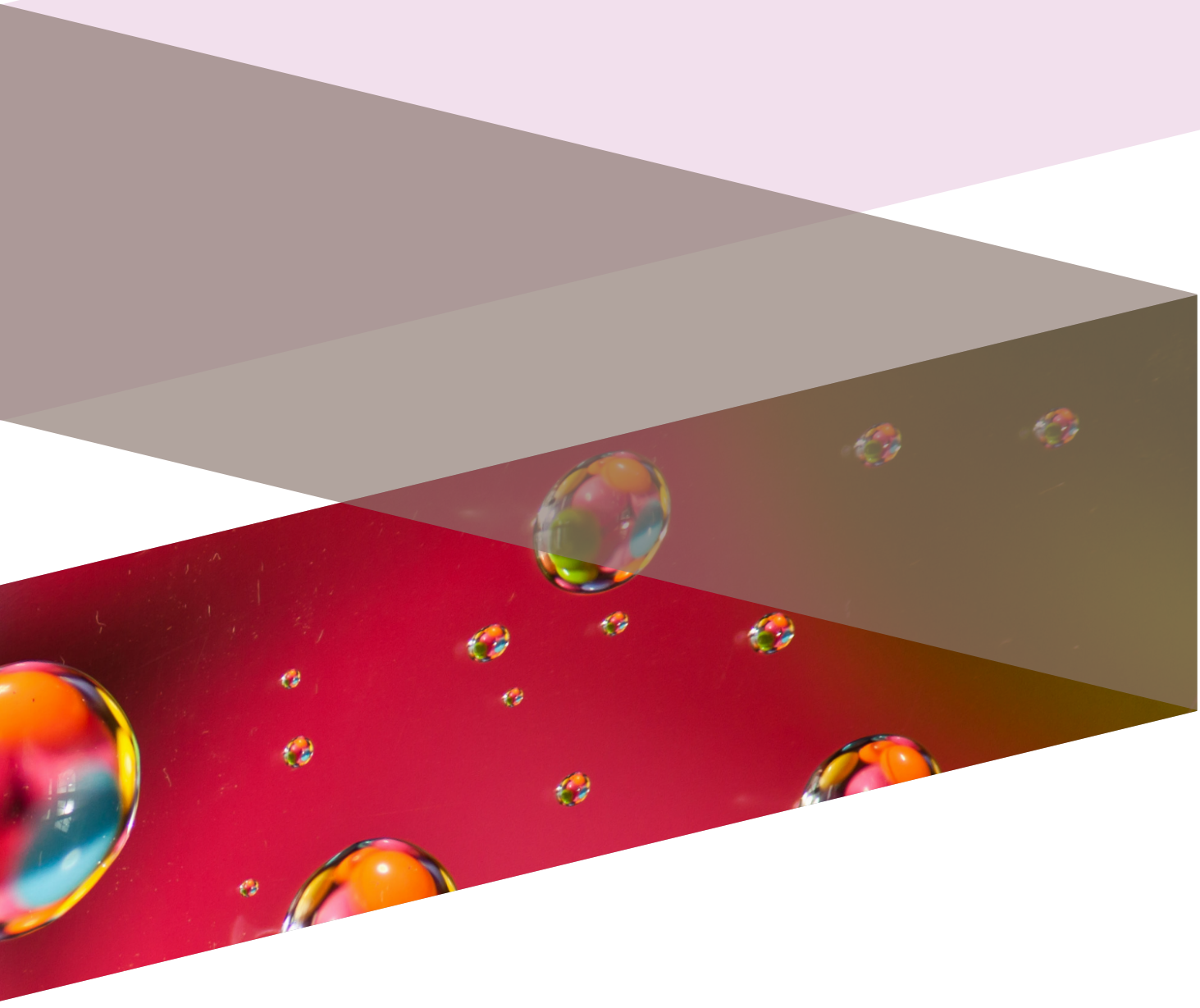

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STANDARDIZAREA NAŢIONALĂ

STANDARDE APROBATE

*Standardele române de mai jos au fost aprobate în luna **aprilie 2023**. Standardele române originale sunt notate cu (**E**). Standardele europene şi internaţionale sunt adoptate ca standarde române prin metoda versiunii române (**T**), metoda filei de confirmare (**FC**) sau metoda notei de confirmare (**A**). Sub indicativul standardului este indicat numărul comitetului tehnic (**CT**) responsabil. Pentru standardele adoptate prin metoda filei de confirmare sau metoda notei de confirmare, textul standardului nu este publicat în versiune română. Versiunile originale ale acestor standarde pot fi procurate de la Asociaţia de Standardizare din România.*

În această rubrică sunt cuprinse, de asemenea, amendamente şi erate ale standardelor române.

În cazul în care un standard aprobat înlocuieşte şi anulează unul sau mai multe standarde existente, indicativul/indicativele acestora sunt indicate după titlul standardului respectiv.

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53.060 Cărucioare de manipulare
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STANDARDE ANULATE

*Standardele române de mai jos au fost anulate în luna **aprilie 2023**, fie prin înlocuire, fie printr-o decizie de anulare.*

Pentru standardele anulate prin înlocuire sunt precizate şi standardele înlocuitoare.

01.110 Documentaţie tehnică de produs

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SR EN 60601-2-31:2009/A1:2012 NCT
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SR EN 80601-2-60:2015 A
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13.280 Protecţia contra radiaţiilor

STAS 12031-84 E
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Inlocuit prin SR EN IEC 61788-4:2020

17.220.20 Măsurări de mărimi electrice şi magnetice

SR EN 61788-7:2007 A
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25.180.10 Cuptoare electrice

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29.020 Electrotehnică în general

SR EN 61293:2001 T
Marcarea aparatelor electrice cu caracteristicile nominale referitoare la alimentarea electrică. Prescripţii de securitate
Inlocuit prin SR EN IEC 61293:2020

SR EN 82079-1:2013 T
Elaborarea instrucţiunilor de utilizare. Structură, conţinut şi prezentare. Partea 1: Prescripţii generale şi prescripţii detaliate
Inlocuit prin SR EN IEC/IEEE 82079-1:2020

29.050 Supraconductivitate şi materiale conductoare

SR EN 61788-7:2007 A
Supraconductivitate. Partea 7: Măsurarea caracteristicilor electronice. Rezistentă de suprafaţă a supraconductoarelor la frecvenţe în domeniul microundelor
Inlocuit prin SR EN IEC 61788-7:2020

SR EN 61788-4:2016 A
Supraconductivitate. Partea 4: Măsurarea raportului rezistenţei reziduale. Raportul rezistenţei reziduale a supraconductoarelor compozite Nb-Ti
Inlocuit prin SR EN IEC 61788-4:2020

29.120.10 Tuburi pentru scopuri electrice

SR EN 60670-1:2005 NCT
Cutii şi carcase pentru aparate electrice pentru instalaţii electrice fixe de uz casnic şi similar. Partea 1: Reguli generale
Inlocuit prin SR EN IEC 60670-1:2021

SR EN 60670-1:2005/A1:2013 NCT
Cutii şi carcase pentru aparate electrice pentru instalaţii electrice fixe de uz casnic şi similar. Partea 1: Reguli generale
Inlocuit prin SR EN IEC 60670-1:2021

SR EN 60670-1:2005/AC:2014 T
Cutii şi carcase pentru aparate electrice pentru instalaţii electrice fixe de uz casnic şi similar. Partea 1: Reguli generale
Inlocuit prin SR EN IEC 60670-1:2021

29.240.20 Linii de transport şi distribuţie a energiei electrice

SR EN 61897:2003 FCT
Linii electrice aeriene. Prescripţii şi încercări pentru amortizoare de vibraţii eoliene tip Stockbridge
Inlocuit prin SR EN IEC 61897:2020

31.040 Rezistoare electrice

SR EN IEC 61643-331:2018 A
Componente pentru dispozitive de protecţie a descărcătoarelor de joasă tensiune. Partea 331: Prescripţii de performanţă şi metode de încercare pentru varistoare cu oxizi metalici (MOV)
Inlocuit prin SR EN IEC 61643-331:2020

31.040.01 Rezistoare electrice în general

31.040.10 Rezistoare fixe

31.040.20 Potenţiometre, rezistoare variabile

31.040.30 Termistoare

31.040.99 Alte rezistoare electrice

33.180.20 Dispozitive de interconectare prin fibre optice

SR EN 61754-4:2014 A
Dispozitive de interconectare şi componente pasive cu fibre optice. Interfeţe de conectoare pentru fibre optice. Partea 4: Familie de conectoare tip SC
Inlocuit prin SR EN IEC 61754-4:2022

SR EN 61754-6:2014 A
Dispozitive de interconectare şi componente pasive cu fibre optice. Interfeţe de conectoare pentru fibre optice. Partea 6: Familie de conectoare tip MU
Inlocuit prin SR EN IEC 61754-6:2022

SR EN 61754-4:2014/AC:2014 ER
Dispozitive de interconectare şi componente pasive cu fibre optice. Interfeţe de conectoare pentru fibre optice. Partea 4: Familie de conectoare tip SC
Inlocuit prin SR EN IEC 61754-4:2022

97.120 Comenzi automate de uz casnic

SR EN 50090-5-2:2004 FCT
Sisteme electronice pentru locuinţe şi clădiri (HBES). Partea 5-2: Medii şi straturi dependente de medii. Reţea bazată pe HBES Clasa 1, Pereche torsadată
Inlocuit prin SR EN 50090-5-2:2020

SR EN 50090-5-1:2005 T
Sisteme electronice pentru locuinţe şi clădiri industriale (HBES). Partea 5-1: Medii şi straturi dependente de medii. Transmisiuni pe linia de joasă tensiune pentru HBES Clasa 1
Inlocuit prin SR EN 50090-5-1:2020

97.170 Echipamente pentru îngrijirea corpului

SR EN 60704-2-8:2000 T
Aparate electrocasnice şi similare. Cod de încercare pentru determinarea zgomotului aerian. Partea 2: Prescripţii specifice pentru aparatele de ras electrice
Inlocuit prin SR EN IEC 60704-2-8:2020

STANDARDE EUROPENE / INTERNAȚIONALE ADOPTATE INIŢIAL PRIN FILĂ DE CONFIRMARE SAU NOTĂ DE CONFIRMARE PENTRU CARE S-A PUBLICAT VERSIUNEA ROMÂNĂ

În această rubrică sunt înscrise standardele române adoptate iniţial prin filă de confirmare sau notă de confirmare pentru care s-a publicat versiunea română în luna anterioară.

Data de aprobare menţionată sub titlul standardului este data la care a fost adoptat standardul european prin filă de confirmare sau notă de confirmare.

03.100.10 Aprovizionare. Achiziţii. Managementul stocurilor

SR CEN/TR 16412:2023 NCT
Securitatea lanțului de aprovizionare. Ghid de bune practici pentru întreprinderile mici și mijlocii
Data aprobarii: 31.03.2023
Data traducerii: 28.04.2023

11.040.55 Echipament pentru diagnosticare

SR EN IEC 61010-2-101:2023 NCT
Reguli de securitate pentru echipamente electrice de măsurare, de control și de laborator - Partea 2-101: Cerințe particulare pentru echipamente medicale de diagnostic in vitro (IVD)
Data aprobarii: 31.01.2023
Data traducerii: 28.04.2023

11.080.10 Echipament de sterilizare

SR EN 14180:2014 NCT
Sterilizatoare pentru scopuri medicale. Sterilizatoare cu abur şi formaldehidă la temperatură joasă. Cerințe și încercări
Data aprobarii: 31.10.2014
Data traducerii: 10.04.2023

19.080 Încercări electrice şi electronice

SR EN IEC 61010-2-091:2021/A11:2021 NCT
Reguli de securitate pentru echipamente electrice de măsurare, de control și de laborator - Partea 2-091: Cerințe particulare pentru echipamente cu raze X, instalate în dulap
Data aprobarii: 31.05.2021
Data traducerii: 28.04.2023

SR EN IEC 61010-2-101:2023 NCT
Reguli de securitate pentru echipamente electrice de măsurare, de control și de laborator - Partea 2-101: Cerințe particulare pentru echipamente medicale de diagnostic in vitro (IVD)
Data aprobarii: 31.01.2023
Data traducerii: 28.04.2023

25.040.40 Măsurarea şi controlul proceselor industriale

SR EN 61158-3-11:2008 NCT
Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 3-11: Definire a serviciilor stratului legătură de date. Elemente de tip 11
Data aprobarii: 30.09.2008
Data traducerii: 28.04.2023

SR EN 61158-3-16:2008 NCT
Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 3-16: Definire a serviciilor stratului legătură de date. Elemente de tip 16
Data aprobarii: 30.09.2008
Data traducerii: 28.04.2023

29.120.40 Întreruptoare

SR EN IEC 60947-5-2:2020 NCT
Aparataj de joasă tensiune. Partea 5-2: Aparate și elemente de comutație pentru circuite de comandă. Detectoare de proximitate
Data aprobarii: 29.05.2020
Data traducerii: 12.04.2023

SR EN IEC 60947-5-2:2020/A11:2022 NCT
Aparataj de joasă tensiune. Partea 5-2: Aparate și elemente de comutație pentru circuite de comandă. Detectoare de proximitate
Data aprobarii: 31.05.2022
Data traducerii: 12.04.2023

29.130.20 Aparate de conectare şi comandă de joasă tensiune

SR EN IEC 60947-5-2:2020 NCT
Aparataj de joasă tensiune. Partea 5-2: Aparate și elemente de comutație pentru circuite de comandă. Detectoare de proximitate
Data aprobarii: 29.05.2020
Data traducerii: 12.04.2023

SR EN IEC 60947-5-2:2020/A11:2022 NCT
Aparataj de joasă tensiune. Partea 5-2: Aparate și elemente de comutație pentru circuite de comandă. Detectoare de proximitate
Data aprobarii: 31.05.2022
Data traducerii: 12.04.2023

29.140.10 Dulii şi socluri pentru lămpi

SR EN 60838-1:2017/A11:2021 NCT
Dulii diverse pentru lămpi - Partea 1: Cerințe generale și încercări
Data aprobarii: 30.06.2021
Data traducerii: 28.04.2023

35.100.20 Strat legătură de date

SR EN 61158-3-11:2008 NCT
Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 3-11: Definire a serviciilor stratului legătură de date. Elemente de tip 11
Data aprobarii: 30.09.2008
Data traducerii: 28.04.2023

SR EN 61158-3-16:2008 NCT
Rețele de comunicație industriale. Specificații ale magistralei de câmp. Partea 3-16: Definire a serviciilor stratului legătură de date. Elemente de tip 16
Data aprobarii: 30.09.2008
Data traducerii: 28.04.2023

71.040.10 Laboratoare de analize chimice. Echipament de laborator

SR EN IEC 61010-2-091:2021/A11:2021 NCT
Reguli de securitate pentru echipamente electrice de măsurare, de control și de laborator - Partea 2-091: Cerințe particulare pentru echipamente cu raze X, instalate în dulap
Data aprobarii: 31.05.2021
Data traducerii: 28.04.2023

75.080 Produse petroliere în general

SR EN ISO 2719:2016/A1:2021 NCT
Determinarea punctului de inflamabilitate. Metoda Pensky - Martens cu vas închis. Amendament 1: Corectarea termometrelor
Data aprobarii: 30.06.2021
Data traducerii: 28.04.2023

SR EN ISO 22854:2021 NCT
Produse petroliere lichide. Determinarea tipurilor de hidrocarburi și a compușilor oxigenați în benzina pentru autovehicule și în etanol (E85), carburant pentru autovehicule. Metoda prin cromatografie multidimensională în fază gazoasă
Data aprobarii: 29.10.2021
Data traducerii: 28.04.2023

SR EN ISO 20884:2020/A1:2021 NCT
Produse petroliere. Determinarea conținutului de sulf din carburanții pentru automobile. Spectrometrie de fluorescență de raze X dispersivă după lungimea de undă. Amendament 1: Adăugarea detectorului SSD la partea de excitație monocromatică din tabelul 1
Data aprobarii: 29.11.2021
Data traducerii: 28.04.2023

75.160.20 Combustibili lichizi

SR EN 16734:2022 NCT
Carburanți pentru autovehicule. Motorină B10 pentru autovehicule. Cerințe și metode de încercare
Data aprobarii: 29.04.2022
Data traducerii: 28.04.2023

SR EN 16091:2022 NCT
Produse petroliere lichide. Carburanți de distilare medie, carburanți cu esteri metilici ai acizilor grași (EMAG) și amestecuri ale acestora. Determinarea stabilității la oxidare prin metoda oxidării accelerate la scară redusă (RSSOT)
Data aprobarii: 30.12.2022
Data traducerii: 28.04.2023

75.160.30 Combustibili gazoşi

SR EN ISO 20884:2020/A1:2021 NCT
Produse petroliere. Determinarea conținutului de sulf din carburanții pentru automobile. Spectrometrie de fluorescență de raze X dispersivă după lungimea de undă. Amendament 1: Adăugarea detectorului SSD la partea de excitație monocromatică din tabelul 1
Data aprobarii: 29.11.2021
Data traducerii: 28.04.2023

SR CLC/TS 50677:2023 NCT
Mașini de spălat rufe și mașini de spălat și uscat rufe de uz casnic și scopuri similare. Metodă pentru determinarea eficacității clătirii prin măsurarea conținutului de agent tensioactiv de suprafață la materiale textile
Data aprobarii: 28.04.2023
Data traducerii: 28.04.2023

97.060 Echipamente de spălat

COMITETE TEHNICE NOI, MODIFICĂRI ÎN ORGANIZAREA ŞI STRUCTURA COMITETELOR TEHNICE EXISTENTE

În această rubrică sunt publicate informaţii privind comitetele tehnice naţionale noi precum și comitetele tehnice naționale de standardizare care au suferit modificări în organizare sau structură.

- Activitatea de standardizare naţională se desfăşoară în comitete tehnice naţionale, structuri fără personalitate juridică ale organismului naţional de standardizare. Organizarea şi modul de lucru ale comitetelor tehnice sunt prevăzute în standardul SR 10000-3 *Principiile şi metodologia standardizării. Partea 3: Structura şi modul de lucru ale comitetelor tehnice.*
- Activitatea comitetelor tehnice se desfăşoară atât pe plan naţional, cât şi european şi internaţional.
- Membrii comitetelor tehnice naţionale sunt persoane juridice interesate din diferite sectoare de activitate. Acestea pot fi: agenţi economici, institute de cercetare, instituţii de învăţământ, asociaţii profesionale, organisme guvernamentale etc. Componenţa comitetelor tehnice trebuie să asigure reprezentarea corespunzătoare a tuturor părților interesate: producători, utilizatori, consumatori, autorităţi etc. Pentru a deveni membru al unui comitet tehnic naţional de standardizare trebuie să se transmită o solicitare scrisă (e-mail sau fax) către ASRO.
- Prin participarea la activitatea comitetelor tehnice, specialiştii, care reprezintă părțile interesate, au posibilitatea să-şi aducă contribuţia la standardizarea naţională, europeană sau internaţională, să cunoască în avans informaţiile propuse pentru a fi incluse în standarde, putând astfel lua măsurile care se impun prin aplicarea standardelor. Totodată, participarea activă la lucrările comitetelor tehnice reprezintă o deosebită oportunitate pentru a realiza şi întreţine contacte cu specialiştii din domeniul specific de activitate, din ţară şi străinătate.
- Informaţii privind participarea la activitatea de standardizare în cadrul comitetelor tehnice naţionale se pot primi de la experţii de standardizare din cadrul ASRO (a se vedea www.asro.ro). Adresa de contact a experţilor de standardizare are următorul format prenume.nume@asro.ro (exemplu: doina.dragomir@asro.ro).

CT113
Materiale pentru acoperişuri, izolaţii termice, CT fonice şi pentru hidroizolaţii
Preşedinte:As. Drd. Ing. Mihai Alexandru EFTIMIE - Universitatea Politehnica din Bucureşti - Facultatea de Chimie Aplicată şi Ştiinţa Materialelor
Expert ASRO: Ing. Cristina CHIREA

CT 400
Peisagistică şi arboricultură
Secretar Ing. Cristina POPA - Asociaţia de Standardizare din România
Expert ASRO: Ing. Cristina POPA

STANDARDIZAREA EUROPEANĂ

Informaţiile din această secţiune se referă la activitatea Organizaţiilor Europene de Standardizare CEN, CENELEC şi ETSI.

Pentru înţelegerea simbolurilor utilizate în această secţiune se fac precizările de mai jos:

EN	standard european (CEN, CENELEC, ETSI)
HD	document de armonizare (CENELEC)
CEN/TS, CLC/TS	specificaţie tehnică europeană
CEN/TR, CLC/TR	raport tehnic european
CWA	acordul unui workshop CEN/CENELEC
ETSI EG	ghid ETSI
ETSI EN	standard european pentru telecomunicaţii
ETSI ES	standard ETSI
ETSI TS	specificaţie tehnică ETSI
ETSI TR	raport tehnic ETSI
ETSI SR	raport special ETSI
prEN	proiect de standard european aflat în anchetă publică
prHD	proiect de document de armonizare aflat în anchetă publică
doa	termenul limită de anunţare a standardului european la nivel naţional
dop	termenul limită de publicare a standardului european la nivel naţional
dow	termenul limită de retragere a standardelor naţionale conflictuale
dea	termenul limită de vot

STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE CEN APROBATE

*În perioada **2023.04.01** – **2023.04.28***

01.040 Vocabulare

01.040.25 Tehnici de fabricare (Vocabulare)

EN ISO 4063:2023
Welding, brazing, soldering and cutting - Nomenclature of processes and reference numbers (ISO 4063:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

03.080 Servicii

03.080.10 Servicii de mentenanta. Managementul infrastructurii

EN ISO 41015:2023
Facility management - Influencing organizational behaviours for improved facility outcomes (ISO 41015:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

03.100 Organizarea si managementul întreprinderii. Sisteme de management

03.100.30 Managementul resurselor umane

EN ISO 8586:2023
Sensory analysis - Selection and training of sensory assessors (ISO 8586:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

03.220 Transport

03.220.01 Transport în general

EN ISO 21177:2023
Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

07.060 Geologie. Meteorologie. Hidrologie

EN 17522:2023
Design and construction of backfilled and grouted borehole heat exchangers

doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

11.040 Echipament medical

11.040.10 Echipament pentru anestezie, respiratie si reanimare

EN ISO 10651-4:2023
Lung ventilators - Part 4: Particular requirements for user-powered resuscitators (ISO 10651-4:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

11.040.20 Echipament pentru transfuzii, perfuzii si injectii

EN ISO 3826-1:2019/A1:2023
Plastics collapsible containers for human blood and blood components - Part 1: Conventional containers - Amendment 1 (ISO 3826-1:2019/Amd1:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

11.080 Sterilizare si dezinfectare

11.080.01 Sterilizare si dezinfectare în general

EN ISO 11137-2:2015/A1:2023
Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose - Amendment 1 (ISO 11137-2:2013/Amd 1:2022)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

11.200 Controlul nasterilor. Contraceptive mecanice

EN ISO 7439:2023
Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO 7439:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

13.020 Protectia mediului

13.020.40 Poluare, controlul poluarii si protectia mediului

EN ISO 14083:2023
Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations (ISO 20
14083:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

13.040 Calitatea aerului

13.040.40 Emisii de la surse fixe

EN 17255-4:2023
Stationary source emissions - Data acquisition and handling systems - Part 4: Specification of requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

13.060 Calitatea apei

13.060.45 Examinarea apei în general

EN ISO 5667-1:2023
Water quality - Sampling - Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 16479:2023
Water quality - Performance requirements and conformity test procedures for water monitoring equipment - Automatic sampling devices (samplers) for water and waste water
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 17075:2018+A1:2023
Water quality - General requirements and performance test procedures for water monitoring equipment - Continuous measuring devices
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

13.080 Calitatea solului. Pedologie

13.080.30 Proprietati biologice ale solurilor

EN ISO 16387:2023
Soil quality - Effects of contaminants on Enchytraeidae (Enchytraeus sp.) - Determination of effects on reproduction (ISO 16387:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

13.180 Ergonomie

CEN ISO/TR 9241-100:2023
Ergonomics of human-system interaction - Part 100: Overview of ISO 9241 software ergonomic standards (ISO/TR 9241-100:2023)
doa: dop: dow:

13.340 Echipament de protectie individuala

13.340.20 Echipamente de protectie a capului

EN 1384:2023
Helmets for equestrian activities
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

23.020 Mijloace pentru stocarea fluidelor

23.020.30 Recipiente sub presiune

EN 13445-4:2021/A1:2023
Unfired pressure vessels - Part 4: Fabrication
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

23.040 Conducte si accesorii

23.040.01 Conducte si accesorii în general

EN 1401-1:2019+A1:2023
Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

23.040.05 Conducte si partile lor pentru sistemele de colectare a apelor uzate si a apelor pluviale

EN 14758-1:2023
Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

23.060 Robinetarie

23.060.40 Regulatoare de presiune

CEN/TR 17924:2023
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - Guidance on hydrogen specific aspects
doa: dop: dow:

25.160 Sudare si lipire

25.160.01 Sudare si lipire în general

EN ISO 4063:2023
Welding, brazing, soldering and cutting - Nomenclature of processes and reference numbers (ISO 4063:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

25.160.10 Procedee de sudare

EN 15085-3:2022+A1:2023
Railway applications - Welding of railway vehicles and components - Part 3: Design requirements
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

25.160.40 Materiale de adaos

EN 16729-5:2023
Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 5: Non-destructive testing on welds in track
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

27.080 Pompe de caldura

EN ISO 22712:2023
Refrigerating systems and heat pumps - Competence of personnel (ISO 22712:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

27.190 Energie biologica si alte surse de energie alternativa

EN ISO 17225-8:2023
Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels for commercial and industrial use (ISO 17225-8:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

EN 17522:2023
Design and construction of backfilled and grouted borehole heat exchangers
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO 18123:2023
Solid biofuels - Determination of volatile matter (ISO 18123:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

27.200 Tehnica frigului

EN ISO 22712:2023
Refrigerating systems and heat pumps - Competence of personnel (ISO 22712:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

35.030 Securitatea IT

EN ISO 21177:2023
Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

35.080 Software

CEN ISO/TR 25060:2023
Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - General framework for Common Industry Format (CIF) for usability-related information (ISO/TR 25060:2023)
doa: dop: dow:

35.180 Terminale si alte echipamente periferice în tehnologia informatiei

CEN ISO/TR 9241-100:2023
Ergonomics of human-system interaction - Part 100: Overview of ISO 9241 software ergonomic standards (ISO/TR 9241-100:2023)
doa: dop: dow:

35.240 Aplicatii privind tehnologia informatiei

35.240.60 Aplicatii IT în transport

CEN/TR 17949:2023
Public transport - Distribution APIs for MaaS
doa: dop: dow:

EN ISO 21177:2023
Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

35.240.70 Aplicatii IT în stiinta

EN ISO 19157-1:2023
Geographic information - Data quality - Part 1: General requirements (ISO 19157-1:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO 19160-4:2023
Addressing - Part 4: International postal address components and template language (ISO 19160-4:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

35.240.80 Aplicatii IT în medicina

CEN ISO/TS 20440:2023
Health informatics - Identification of medicinal products - Implementation guidelines for ISO 11239 data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging (ISO/TS 20440:2023)
doa: 2023-07-31 dop: dow:

43.140 Motociclete si motorete

EN ISO 18246:2023
Electrically propelled mopeds and motorcycles - Safety requirements for conductive connection to an external electric power supply (ISO 18246:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

45.060 Material rulant pentru cai ferate

45.060.01 Material rulant pentru cai ferate în general

EN 15085-3:2022+A1:2023
Railway applications - Welding of railway

vehicles and components - Part 3: Design requirements
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

47.080 Nave de agrement

EN ISO 12216:2022/A11:2023
Small craft - Windows, portlights, hatches, deadlights and doors - Strength and watertightness requirements
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO 13297:2021/A11:2023
Small craft - Electrical systems - Alternating and direct current installations
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO 15083:2020/A11:2023
Small craft - Bilge-pumping systems
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO 25197:2020/A11:2023
Small craft - Electrical/electronic control systems for steering, shift and throttle
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

53.040 Echipamente pentru transport continuu

53.040.20 Componente pentru transportoare

EN ISO 283:2023
Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method (ISO 283:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

59.080 Produse din industria textila

59.080.70 Geotextile

EN 17738:2023
Geotextiles and geotextile-related products - Damage during installation procedure - Full scale test
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

65.080 Îngrasaminte

EN 17816:2023
Liming materials - Determination of physical and chemical properties and specific contaminants
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

65.120 Nutreturi

EN 17853:2023
Animal feeding stuff: Methods of sampling and analysis - Determination of intact glucosinolates in feed materials and compound feed by LC-MS/MS
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

67.240 Analiza senzoriala

EN ISO 8586:2023
Sensory analysis - Selection and training of sensory assessors (ISO 8586:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

71.040 Chimie analitica

71.040.20 Sticlarie de laborator si aparate aferente

EN ISO 13132:2023
Laboratory glassware - Petri dishes (ISO 13132:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

71.100 Produse din industria chimica

71.100.50 Produse chimice pentru protectia lemnului

EN 351-1:2023
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 351-2:2023
Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

75.160 Combustibili

75.160.40 Biocombustibili

EN ISO 17225-8:2023
Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels for commercial and industrial use (ISO 17225-8:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

EN ISO 18123:2023
Solid biofuels - Determination of volatile matter (ISO 18123:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

77.040 Încercarile metalelor

77.040.30 Analize chimice ale metalelor

CEN/TR 10261:2023
Iron and steel - European standards for the determination of chemical composition
doa: dop: dow:

77.140 Produse din otel si fonta

77.140.01 Produse din otel si fonta în general

CEN/TR 10261:2023
Iron and steel - European standards for the determination of chemical composition
doa: dop: dow:

77.140.80 Oteluri si fonte turnate

EN ISO 13520:2023
Determination of ferrite content in austenitic stainless steel castings (ISO 13520:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

77.160 Metalurgia pulberilor

EN ISO 4491-1:2023
Metallic powders - Determination of oxygen content by reduction methods - Part 1: General guidelines (ISO 4491-1:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

EN ISO 4491-2:2023
Metallic powders - Determination of oxygen content by reduction methods - Part 2: Loss of mass on hydrogen reduction (hydrogen loss) (ISO 4491-2:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

79.040 Lemn, gatere si lemn rotund

EN 351-1:2023
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

EN 351-2:2023
Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

79.080 Semifabricate din lemn

EN 13442:2023
Wood and parquet flooring and wood panelling and cladding - Determination of the resistance to chemical agents
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

81.040 Sticla

81.040.20 Sticla pentru constructii

EN 15434-1:2023
Bonding sealants - Part 1: Bonded glazing sealants for direct light exposure
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

83.120 Materiale plastice armate

EN ISO 527-4:2023
Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2023)
doa: 2023-07-31 dop: 2023-10-31 dow: 2023-10-31

83.180 Adezivi

EN 302-8:2023
Adhesives for load-bearing timber structures - Test methods - Part 8: Static load test of multiple bond line specimens in compression

shear
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

83.200 Echipament pentru industria cauciucului si industria de mase plastice

EN ISO 23582-1:2023
Plastics and rubber machines - Clamping systems - Part 1: Safety requirements for magnetic clamping systems (ISO 23582-1:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

85.060 Hârtie si carton

EN ISO 535:2023
Paper and board - Determination of water absorptiveness - Cobb method (ISO 535:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

91.100 Materiale de constructii

91.100.50 Lianti. Materiale pentru etansare

EN 15434-1:2023
Bonding sealants - Part 1: Bonded glazing sealants for direct light exposure
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

91.140 Instalatii în cladiri

91.140.10 Sisteme de încalzire centrale

EN 17522:2023
Design and construction of backfilled and grouted borehole heat exchangers
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

93.020 Lucrari de terasament. Excavatii. Fundatii. Lucrari subterane

EN ISO 22476-5:2023
Geotechnical investigation and testing - Field testing - Part 5: Prebored pressuremeter test (ISO 22476-5:2023)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

93.030 Sisteme de canalizare externe

EN 14758-1:2023
Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

93.080 Ingineria drumurilor

93.080.20 Materiale de constructii pentru drumuri

EN 12697-4:2023
Bituminous mixtures - Test methods - Part 4: Bitumen recovery: Fractionating column
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 12697-43:2023
Bituminous mixtures - Test methods - Part 43: Resistance to fuel
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

93.100 Constructii de cai ferate

EN 16729-5:2023
Railway applications - Infrastructure - Non-destructive testing on rails in track - Part 5: Non-destructive testing on welds in track
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

97.040 Echipament de bucatarie

97.040.20 Aragaze, aparate de încalzire, cuptoare si aparate similare

EN 30-1-2:2023
Domestic cooking appliances burning gas - Part 1-2: Safety - Appliances having forced-convection ovens
doa: 2023-07-31 dop: 2023-10-31
dow: 2026-04-30

97.140 Mobila

EN 13721:2023
Furniture - Assessment of the surface reflectance
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 16611:2023
Furniture - Assessment of the surface resistance to microscratching
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

97.190 Echipamente pentru copii

CEN/TR 13387-5:2023
Child care articles - General safety guidelines - Part 5: Product information
doa: dop: dow:

97.220 Echipamente si instalatii sportive

97.220.40 Echipamente pentru sporturi în aer liber si sporturi acvatice

EN 564:2023
Mountaineering equipment - Accessory cords - Safety requirements and test methods
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 892:2012+A3:2023
Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN 13089:2011+A3:2023
Mountaineering equipment - Ice-tools - Safety requirements and test methods
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE CENELEC APROBATE

*În perioada **2023.04.01** – **2023.04.28***

01.110 Documentatie tehnica de produs

EN IEC 62321-12:2023
Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry
doa: 2023-07-14 dop: 2024-01-14
dow: 2026-04-14

03.120 Calitate

03.120.30 Aplicarea metodelor statistice

EN IEC 61124:2023
Reliability testing - Compliance tests for constant failure rate and constant failure intensity
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

13.020 Protectia mediului

13.020.01 Mediu si protectia mediului în general

EN IEC 62321-12:2023
Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry
doa: 2023-07-14 dop: 2024-01-14
dow: 2026-04-14

13.320 Sisteme de alarma si de alertare

EN 50292:2023
Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats - Guide on the selection, installation, use and maintenance
doa: 2023-09-20 dop: 2024-03-20
dow: 2026-03-20

EN 50518:2019/A1:2023
Monitoring and Alarm Receiving Centre
doa: 2023-09-27 dop: 2024-03-27
dow: 2026-03-27

19.020 Proceduri si conditii de încercare în general

EN IEC 61124:2023
Reliability testing - Compliance tests for constant failure rate and constant failure intensity
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

21.020 Caracteristici si proiectarea masinilor, aparatelor si echipamentelor

EN IEC 61124:2023
Reliability testing - Compliance tests for constant failure rate and constant failure intensity
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

25.040 Sisteme de automatizare industriala

EN IEC 61158-3-28:2023
Industrial communication networks - Fieldbus specifications - Part 3-28: Data-link layer service definition - Type 28 elements
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 61158-4-28:2023
Industrial communication networks - Fieldbus specifications - Part 4-28: Data-link layer protocol specification - Type 28 elements
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 61158-5-27:2023
Industrial communication networks - Fieldbus specifications - Part 5-27: Application layer service definition - Type 27 elements
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 61158-5-28:2023
Industrial communication networks - Fieldbus specifications - Part 5-28: Application layer service definition - Type 28 elements
doa: 2023-07-14 dop: 2024-01-14
dow: 2026-04-14

EN IEC 61158-6-27:2023
Industrial communication networks - Fieldbus Specifications Part 6-27: Application layer protocol specification - Type 27 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

25.040.40 Masurarea si controlul proceselor industriale

EN IEC 61158-1:2023
Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-2:2023
Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-3-2:2023
Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-3-24:2023
Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-3-4:2023
Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-4-2:2023
Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-4-4:2023
Industrial communication networks - Fieldbus specifications - Part 4-4: Data-link layer protocol specification - Type 4 elements
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61158-5-23:2023
Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-24:2023
Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type 24 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-26:2023
Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 62439-3:2022/AC:2023-04
Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR)
doa: dop: dow:

29.020 Electrotehnica în general

EN IEC 61547:2023
Equipment for general lighting purposes - EMC immunity requirements
doa: 2023-06-08 dop: 2023-12-08
dow: 2026-03-08

29.060 Conductoare si cabluri electrice

29.060.20 Cabluri

EN IEC 60230:2018/A1:2023
Impulse tests on cables and their accessories
doa: 2023-07-07 dop: 2023-10-07
dow: 2026-04-07

29.100 Componente pentru echipament electric

29.100.01 Componente pentru echipament electric în general

EN IEC 62321-12:2023
Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry
doa: 2023-07-14 dop: 2024-01-14
dow: 2026-04-14

29.120 Accesorii electrice

29.120.70 Relee

EN IEC 60255-187-1:2021/AC:2023-04
Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors, generators and transformers
doa: dop: dow:

29.130 Aparate de conectare si comanda

29.130.10 Aparate de conectare si comanda de înalta tensiune

EN IEC 62271-110:2023
High-voltage switchgear and controlgear - Part 110: Inductive load switching
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

29.130.20 Aparate de conectare si comanda de joasa tensiune

EN IEC 60947-8:2023
Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines
doa: 2023-04-11 dop: 2023-10-11
dow: 2026-01-11

29.140 Lampi si accesorii

29.140.01 Lampi în general

EN IEC 61547:2023
Equipment for general lighting purposes - EMC immunity requirements
doa: 2023-06-08 dop: 2023-12-08
dow: 2026-03-08

29.140.50 Instalatii pentru iluminat

EN IEC 62386-150:2023
Digital addressable lighting interface – Part 150: Particular requirements - Auxiliary power supply
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

29.140.99 Alte standarde referitoare la lampi

EN 50705:2023
Lighting equipment with radio communication - safety requirements

doa: 2023-07-28 dop: 2023-10-28
dow: 2026-04-28

EN IEC 62386-150:2023
Digital addressable lighting interface – Part 150: Particular requirements - Auxiliary power supply
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

29.220 Acumulatoare si elemente galvanice

29.220.10 Baterii

EN IEC 62281:2019/A2:2023
Safety of primary and secondary lithium cells and batteries during transport
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

33.020 Telecomunicatii în general

EN IEC 61784-1-22:2023
Industrial networks - Profiles - Part 1-22: Fieldbus profiles - Communication Profile Family 22
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 61784-2-19:2023
Industrial networks - Profiles - Part 2-19: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 19
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

33.040 Sisteme de telecomunicatii

33.040.40 Retele pentru comunicatii de date

EN IEC 61158-1:2023
Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

33.060 Radiocomunicatii

33.060.01 Radiocomunicatii în general

EN 50705:2023
Lighting equipment with radio communication - safety requirements
doa: 2023-07-28 dop: 2023-10-28
dow: 2026-04-28

33.100 Compatibilitate electromagnetica (EMC)

33.100.10 Emisie

EN IEC 61547:2023
Equipment for general lighting purposes - EMC immunity requirements
doa: 2023-06-08 dop: 2023-12-08
dow: 2026-03-08

33.120 Componente si accesorii pentru echipament de telecomunicatii

33.120.01 Componente si accesorii în general

EN IEC 60966-3-3:2023
Radio frequency and coaxial cable assemblies - Part 3-3: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 18 GHz, Type 50-141 semi-flexible coaxial cable
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 60966-3-4:2023
Radio frequency and coaxial cable assemblies - Part 3-4: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 6 GHz, Type 50-141 semi-flexible coaxial cable
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

33.120.10 Cabluri coaxiale. Ghiduri de unda

EN IEC 60966-3-3:2023
Radio frequency and coaxial cable assemblies - Part 3-3: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 18 GHz, Type 50-141 semi-flexible coaxial cable
doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

EN IEC 60966-3-4:2023
Radio frequency and coaxial cable assemblies - Part 3-4: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 6 GHz, Type 50-141 semi-flexible coaxial cable

doa: 2023-07-11 dop: 2024-01-11
dow: 2026-04-11

33.120.20 Fire si cabluri simetrice

EN 50289-1-2:2023
Communication cables - Specifications for test methods - Part 1-2: Electrical test methods - DC resistance
doa: 2023-07-14 dop: 2023-10-14
dow: 2026-04-14

33.160 Tehnici audio, video si audiovizuale

33.160.01 Tehnici audio, video si audiovizuale în general

EN IEC 60268-23:2023
Sound system equipment - Part 23: TVs and monitors - Loudspeaker systems
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

33.160.50 Accesorii

EN IEC 60268-23:2023
Sound system equipment - Part 23: TVs and monitors - Loudspeaker systems
doa: 2023-07-01 dop: 2023-12-31
dow: 2026-03-31

33.180 Comunicatii prin fibra optica

33.180.10 Fibre optice si cabluri

EN IEC 60794-2-10:2023
Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables
doa: 2023-07-14 dop: 2024-01-14
dow: 2026-04-14

35.030 Securitatea IT

EN ISO/IEC 29146:2023
Information technology - Security techniques - A framework for access management (ISO/IEC 29146:2016, including Amd 1:2022)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

EN ISO/IEC 29184:2023
Information technology - Online privacy notices and consent (ISO/IEC 29184:2020)
doa: 2023-07-31 dop: 2023-10-31
dow: 2023-10-31

35.100 Interconexiunea sistemelor deschise (OSI)

35.100.05 Aplicatii multistrat

EN IEC 61158-1:2023
Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 62439-3:2022/AC:2023-04
Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR)
doa: dop: dow:

35.100.20 Strat legatura de date

EN IEC 61158-2:2023
Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-3-2:2023
Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-3-24:2023
Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-3-4:2023
Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-4-2:2023
Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-4-4:2023
Industrial communication networks - Fieldbus specifications - Part 4-4: Data-link layer protocol specification - Type 4 elements
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-1:2023
Industrial networks - Profiles - Part 1-1: Fieldbus profiles - Communication Profile Family 1
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-2:2023
Industrial networks - Profiles - Part 1-2: Fieldbus profiles - Communication Profile Family 2
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-3:2023
Industrial networks - Profiles - Part 1-3: Fieldbus profiles - Communication Profile Family 3
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-4:2023
Industrial networks - Profiles - Part 1-4: Fieldbus profiles - Communication Profile Family 4
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-5:2023
Industrial networks - Profiles - Part 1-5: Fieldbus profiles - Communication Profile Family 5
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-6:2023
Industrial networks - Profiles - Part 1-6: Fieldbus profiles - Communication Profile Family 6
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-8:2023
Industrial networks - Profiles - Part 1-8: Fieldbus profiles - Communication Profile Family 8
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-2-0:2023
Industrial networks - Profiles - Part 2-0: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - General concepts and terminology
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-2-10:2023
Industrial networks - Profiles - Part 2-10: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 10
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

35.100.70 Strat aplicare

EN IEC 61158-5-23:2023
Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-24:2023
Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type 24 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-26:2023
Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

35.110 Retele

EN IEC 61158-3-2:2023
Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-3-24:2023
Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-3-4:2023
Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

EN IEC 61158-4-2:2023
Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-4-4:2023
Industrial communication networks - Fieldbus specifications - Part 4-4: Data-link layer protocol specification - Type 4 elements
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61158-5-23:2023
Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-24:2023
Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type 24 elements
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61158-5-26:2023
Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

35.240 Aplicatii privind tehnologia informatiei

35.240.50 Aplicatii IT în industrie

EN IEC 61158-2:2023
Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition
doa: 2023-07-13 dop: 2024-01-13
dow: 2026-04-13

EN IEC 61784-1-1:2023
Industrial networks - Profiles - Part 1-1: Fieldbus profiles - Communication Profile Family 1
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-2:2023
Industrial networks - Profiles - Part 1-2: Fieldbus profiles - Communication Profile Family 2
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-3:2023
Industrial networks - Profiles - Part 1-3: Fieldbus profiles - Communication Profile Family 3
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-1-4:2023
Industrial networks - Profiles - Part 1-4: Fieldbus profiles - Communication Profile Family 4
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-5:2023
Industrial networks - Profiles - Part 1-5: Fieldbus profiles - Communication Profile Family 5
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-6:2023
Industrial networks - Profiles - Part 1-6: Fieldbus profiles - Communication Profile Family 6
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-1-8:2023
Industrial networks - Profiles - Part 1-8: Fieldbus profiles - Communication Profile Family 8
doa: 2023-07-25 dop: 2024-01-25
dow: 2026-04-25

EN IEC 61784-2-0:2023
Industrial networks - Profiles - Part 2-0: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - General concepts and terminology
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

EN IEC 61784-2-10:2023
Industrial networks - Profiles - Part 2-10: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 10
doa: 2023-07-26 dop: 2024-01-26
dow: 2026-04-26

59.080 Produse din industria textila

59.080.01 Textile în general

EN IEC 63203-204-1:2023
Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

59.080.80 Textile inteligente

EN IEC 63203-204-1:2023
Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products
doa: 2023-07-20 dop: 2024-01-20
dow: 2026-04-20

97.040 Echipament de bucatarie

97.040.20 Aragaze, aparate de încalzire, cuptoare si aparate similare

EN IEC 60350-1:2023
Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance
doa: 2023-07-24 dop: 2024-01-24
dow: 2026-04-24

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*În perioada **2023.04.01** – **2023.04.28***

GR RIS 001 V1.1.1:2023
Comitet Tehnic ETSI: RIS
Reconfigurable Intelligent Surfaces (RIS); Use Cases, Deployment Scenarios and Requirements

GS ENI 002 V3.2.1:2023
Comitet Tehnic ETSI: ENI
Experiential Networked Intelligence (ENI); ENI requirements

GS MEC 002 V3.1.1:2023
Comitet Tehnic ETSI: MEC
Multi-access Edge Computing (MEC); Use Cases and Requirements

GS NFV-SOL 003 V4.4.1:2023
Comitet Tehnic ETSI: NFV SOL
Network Functions Virtualisation (NFV) Release 4; Protocols and Data Models; RESTful protocols specification for the Or-Vnfm Reference Point

GS F5G 013 V1.1.1:2023
Comitet Tehnic ETSI: F5G
Fifth Generation Fixed Network (F5G); F5G Technology Landscape Release 2

GS F5G 015 V1.1.1:2023
Comitet Tehnic ETSI: F5G
Fifth Generation Fixed Network (F5G); F5G Residential Services Quality Evaluation and Classification Release 2

GS ZSM 007 V2.1.1:2023
Comitet Tehnic ETSI: ZSM
Zero-touch network and Service Management (ZSM); Terminology for concepts in ZSM

GS QKD 016 V1.1.1:2023
Comitet Tehnic ETSI: QKD
Quantum Key Distribution (QKD); Common Criteria Protection Profile - Pair of Prepare and Measure Quantum Key Distribution Modules

GR PDL 018 V1.1.1:2023
Comitet Tehnic ETSI: PDL
Permissioned Distributed Ledger (PDL); Redactable Distributed Ledgers

GS mWT 024 V1.2.1:2023
Comitet Tehnic ETSI: mWT
millimetre Wave Transmission (mWT); Definition of a Wireless Transport Profile for Standard SDN Northbound Interfaces

GR mWT 028 V1.1.1:2023
Comitet Tehnic ETSI: mWT
New KPIâ€™s for planning microwave and millimeter wave backhaul network

TS 102 226 V18.1.0:2023
Comitet Tehnic ETSI: SET TEC
Smart Cards; Remote APDU structure for UICC based applications (Release 18)

TS 102 230-2 V14.0.0:2023
Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 14)

TS 102 230-2 V15.0.0:2023
Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 15)

TS 102 230-2 V16.0.0:2023
Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 16)

TS 102 230-2 V17.0.0:2023
Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 17)

TS 102 240 V17.1.0:2023
Comitet Tehnic ETSI: SET REQ
Smart Cards; UICC Application Programming Interface and Loader Requirements; Service description (Release 17)

TS 102 241 V17.4.0:2023
Comitet Tehnic ETSI: SET TEC
Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 17)

TR 102 445 V1.2.1:2023
Comitet Tehnic ETSI: EMTEL
Emergency Communications (EMTEL); Overview of Emergency Communications Network Resilience and Preparedness

TS 103 481 V16.2.0:2023
Comitet Tehnic ETSI: SET TEST
Smart Cards; Test specification for the Remote APDU structure for UICC based applications; UICC features (Release 16)

TR 103 750 V1.1.1:2023
Comitet Tehnic ETSI: ERM
System Reference document (SRdoc); Short Range Devices (SRD) using Ultra Wide Band (UWB); Technical characteristics for UWB operation in the frequency band between 8,5 GHz to 10,6 GHz

TR 103 852 V1.1.1:2023
Comitet Tehnic ETSI: HF
Human Factors (HF); An Examination of Video Game Usability and Accessibility

TR 103 904 V1.1.1:2023
Comitet Tehnic ETSI: SmartM2M
SmartM2M; SAREF extension investigation Requirements for the Smart Grid domain

TS 103 975 V1.1.1:2023
Comitet Tehnic ETSI: INT
Core Network and Interoperability Testing (INT); Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem at the AGCF connecting legacy access; Conformance Test Specification (3GPPâ„? Release 17); Test Suite Structure and Test Purposes (TSS&TP)

TS 121 101 V14.2.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 14.2.0 Release 14)

TS 121 101 V15.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 15.1.0 Release 15)

TS 121 101 V16.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 16.1.0 Release 16)

TS 121 101 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 17.1.0 Release 17)

TS 121 201 V14.2.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS)

based 3GPP system (3GPP TS 21.201 version 14.2.0 Release 14)

TS 121 201 V15.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 15.1.0 Release 15)

TS 121 201 V16.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 16.1.0 Release 16)

TS 121 201 V17.1.1:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 17.1.1 Release 17)

TS 121 205 V15.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 15.1.0 Release 15)

TS 121 205 V16.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 16.1.0 Release 16)

TS 121 205 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 17.1.0 Release 17)

TS 123 003 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 16.11.0 Release 16)

TS 123 003 V16.11.1:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 16.11.1 Release 16)

TS 123 003 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 17.9.0 Release 17)

TS 123 247 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 17.6.0 Release 17)

TS 123 255 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Application layer support for Uncrewed Aerial System (UAS); Functional architecture and information flows; (3GPP TS 23.255 version 17.5.0 Release 17)

TS 123 256 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking; Stage 2 (3GPP TS 23.256 version 17.6.0 Release 17)

TS 123 273 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 16.11.0 Release 16)

TS 123 273 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 17.8.0 Release 17)

TS 123 287 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 17.6.0 Release 17)

TS 123 288 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 17.8.0 Release 17)

TS 123 304 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA

5G; Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 23.304 version 17.6.0 Release 17)

TS 123 501 V16.16.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.16.0 Release 16)

TS 123 501 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 17.8.0 Release 17)

TS 123 502 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 17.8.0 Release 17)

TS 123 503 V16.14.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 16.14.0 Release 16)

TS 123 503 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 17.8.0 Release 17)

TS 123 558 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.7.0 Release 17)

TS 124 193 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System;Access Traffic Steering, Switching and Splitting (ATSSS); Stage 3 (3GPP TS 24.193 version 17.8.0 Release 17)

TS 124 229 V11.30.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 11.30.0 Release 11)

TS 124 229 V12.26.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 12.26.0 Release 12)

TS 124 229 V13.21.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 13.21.0 Release 13)

TS 124 229 V14.18.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 14.18.0 Release 14)

TS 124 229 V15.15.0:2023
Comitet Tehnic ETSI: 3GPP CT
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TS 124 229 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 16.12.0 Release 16)

TS 124 229 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 17.10.0 Release

17)

TS 124 301 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 (3GPP TS 24.301 version 17.10.0 Release 17)

TS 124 302 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 (3GPP TS 24.302 version 17.8.0 Release 17)

TS 124 379 V17.10.1:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 17.10.1 Release 17)

TS 124 385 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; V2X services Management Object (MO) (3GPP TS 24.385 version 17.2.0 Release 17)

TS 124 386 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; User Equipment (UE) to V2X control function; protocol aspects; Stage 3 (3GPP TS 24.386 version 17.2.0 Release 17)

TS 124 481 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 17.6.0 Release 17)

TS 124 484 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 17.9.0 Release 17)

TS 124 486 V16.5.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 16.5.0 Release 16)

TS 124 486 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 17.6.0 Release 17)

TS 124 501 V17.10.1:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 17.10.1 Release 17)

TS 124 502 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 17.8.0 Release 17)

TS 124 538 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Enabling MSGin5G Service; Protocol specification (3GPP TS 24.538 version 17.3.0 Release 17)

TS 124 544 V16.5.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 16.5.0 Release 16)

TS 124 544 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 17.5.0 Release 17)

TS 124 545 V16.6.1:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 16.6.1 Release 16)

TS 124 545 V17.6.1:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 17.6.1 Release 17)

TS 124 546 V16.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 16.3.0 Release 16)

TS 124 546 V17.6.0:2023

Comitet Tehnic ETSI: 3GPP CT
5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 17.6.0 Release 17)

TS 124 547 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Identity management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.547 version 17.3.0 Release 17)

TS 124 548 V16.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 16.4.0 Release 16)

TS 124 548 V17.4.1:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 17.4.1 Release 17)

TS 124 549 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Network slice capability enablement-Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification; Stage 3 (3GPP TS 24.549 version 17.3.0 Release 17)

TS 124 554 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS) protocol aspects; Stage 3 (3GPP TS 24.554 version 17.4.0 Release 17)

TS 124 555 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.555 version 17.4.0 Release 17)

TS 124 558 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Enabling Edge Applications; Protocol specification (3GPP TS 24.558 version 17.3.0 Release 17)

TS 126 114 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 16.13.0 Release 16)

TS 126 114 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 17.7.0 Release 17)

TS 126 132 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 17.2.0 Release 17)

TS 126 173 V17.1.1:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec (3GPP TS 26.173 version 17.1.1 Release 17)

TS 126 174 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences (3GPP TS 26.174 version 17.1.0 Release 17)

TS 126 204 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code (3GPP TS 26.204 version 17.1.0 Release 17)

TS 126 247 V16.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 16.7.0 Release 16)

TS 126 247 V17.3.0:2023

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 17.3.0 Release 17)

TS 126 346 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs (3GPP TS 26.346 version 17.3.0 Release 17)

TS 126 501 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 17.5.0 Release 17)

TS 126 502 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G multicast-broadcast services; User service architecture (3GPP TS 26.502 version 17.4.0 Release 17)

TS 126 512 V16.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 16.9.0 Release 16)

TS 126 512 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 17.4.0 Release 17)

TS 126 517 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; 5G Multicast-Broadcast User Services; Protocols and Formats (3GPP TS 26.517 version 17.2.0 Release 17)

TS 128 104 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Management Data Analytics (MDA) (3GPP TS 28.104 version 17.3.0 Release 17)

TS 128 105 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Artificial Intelligence/ Machine Learning (AI/ML) management (3GPP TS 28.105 version 17.3.0 Release 17)

TS 128 310 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Energy efficiency of 5G (3GPP TS 28.310 version 17.5.0 Release 17)

TS 128 312 V17.3.1:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Intent driven management services for mobile networks (3GPP TS 28.312 version 17.3.1 Release 17)

TS 128 313 V16.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 16.4.0 Release 16)

TS 128 313 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 17.8.0 Release 17)

TS 128 530 V16.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 16.6.0 Release 16)

TS 128 530 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 17.4.0 Release 17)

TS 128 531 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Provisioning (3GPP TS 28.531 version 17.7.0 Release 17)

TS 128 532 V15.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 15.8.0 Release 15)

TS 128 532 V16.14.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 16.14.0 Release 16)

TS 128 532 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic management services (3GPP TS 28.532

version 17.4.0 Release 17)

TS 128 533 V15.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 15.7.0 Release 15)

TS 128 533 V16.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 16.9.0 Release 16)

TS 128 533 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 17.3.0 Release 17)

TS 128 535 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management services for communication service assurance; Requirements (3GPP TS 28.535 version 17.6.0 Release 17)

TS 128 536 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management services for communication service assurance; Stage 2 and stage 3 (3GPP TS 28.536 version 17.5.0 Release 17)

TS 128 538 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Edge Computing Management (3GPP TS 28.538 version 17.2.0 Release 17)

TS 128 541 V15.10.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 15.10.0 Release 15)

TS 128 552 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 17.10.0 Release 17)

TS 128 554 V15.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 15.6.0 Release 15)

TS 128 554 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.12.0 Release 16)

TS 128 554 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 17.9.0 Release 17)

TS 128 557 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Management of Non-Public Networks (NPN); Stage 1 and stage 2 (3GPP TS 28.557 version 17.1.0 Release 17)

TS 128 622 V11.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 11.5.0 Release 11)

TS 128 622 V12.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 12.4.0 Release 12)

TS 128 622 V13.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 13.3.0 Release 13)

TS 128 622 V14.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 14.3.0 Release 14)

TS 128 622 V15.7.0:2023
Comitet Tehnic ETSI: 3GPP SA

Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 15.7.0 Release 15)

TS 128 622 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 16.15.0 Release 16)

TS 128 622 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 17.5.0 Release 17)

TS 128 623 V15.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 15.7.0 Release 15)

TS 128 623 V16.14.1:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 16.14.1 Release 16)

TS 128 623 V17.5.1:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 17.5.1 Release 17)

TS 129 122 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.15.0 Release 16)

TS 129 122 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 17.9.0 Release 17)

TS 129 222 V15.13.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.13.0 Release 15)

TS 129 222 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.11.0 Release 16)

TS 129 222 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 17.8.0 Release 17)

TS 129 244 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.11.0 Release 16)

TS 129 244 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 17.8.0 Release 17)

TS 129 256 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial Systems Network Function (UAS-NF); Aerial Management Services; Stage 3 (3GPP TS 29.256 version 17.4.0 Release 17)

TS 129 273 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 17.6.0 Release 17)

TS 129 274 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 (3GPP TS 29.274 version 17.8.0 Release 17)

TS 129 413 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 17.3.0 Release 17)

TS 129 500 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 16.13.0 Release 16)

TS 129 500 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 17.10.0 Release 17)

TS 129 502 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Services; Stage 3 (3GPP TS 29.502 version 17.8.0 Release 17)

TS 129 503 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 16.15.0 Release 16)

TS 129 503 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 17.10.0 Release 17)

TS 129 504 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Repository Services; Stage 3 (3GPP TS 29.504 version 17.10.0 Release 17)

TS 129 507 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 17.9.0 Release 17)

TS 129 508 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 17.10.0 Release 17)

TS 129 510 V16.14.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 16.14.0 Release 16)

TS 129 510 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 17.9.0 Release 17)

TS 129 512 V15.15.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 15.15.0 Release 15)

TS 129 512 V16.16.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 16.16.0 Release 16)

TS 129 512 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 17.10.0 Release 17)

TS 129 513 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 17.10.0 Release 17)

TS 129 514 V16.16.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 16.16.0 Release 16)

TS 129 514 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 17.8.0 Release 17)

TS 129 517 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function Event

Exposure Service; Stage 3 (3GPP TS 29.517 version 17.9.0 Release 17)

TS 129 518 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 16.15.0 Release 16)

TS 129 518 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 17.9.0 Release 17)

TS 129 519 V15.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 15.11.0 Release 15)

TS 129 519 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 16.12.0 Release 16)

TS 129 519 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 17.10.0 Release 17)

TS 129 520 V15.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 15.11.0 Release 15)

TS 129 520 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 16.13.0 Release 16)

TS 129 520 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 17.10.0 Release 17)

TS 129 521 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 17.8.0 Release 17)

TS 129 522 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 17.9.0 Release 17)

TS 129 531 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 17.7.0 Release 17)

TS 129 537 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Policy Control services; Stage 3 (3GPP TS 29.537 version 17.2.0 Release 17)

TS 129 552 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics signalling flows; Stage 3 (3GPP TS 29.552 version 17.4.0 Release 17)

TS 129 556 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Edge Application Server Discovery Services; Stage 3 (3GPP TS 29.556 version 17.3.0 Release 17)

TS 129 558 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; Enabling Edge Applications; Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.558 version 17.3.0 Release 17)

TS 129 565 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Time Sensitive Communication and Time Synchronization Function Services; Stage 3 (3GPP TS 29.565 version 17.3.0 Release 17)

TS 129 571 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 17.9.0 Release 17)

TS 129 573 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network

(PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 17.7.0 Release 17)

TS 129 579 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Interworking MSC For Short Message Services; Stage 3 (3GPP TS 29.579 version 17.2.0 Release 17)

TS 129 580 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Service Function services; Stage 3 (3GPP TS 29.580 version 17.2.0 Release 17)

TS 129 581 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Service Transport Services; Stage 3 (3GPP TS 29.581 version 17.3.0 Release 17)

TS 129 582 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 17.4.0 Release 17)

TS 129 591 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 17.9.0 Release 17)

TS 129 675 V16.5.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 16.5.0 Release 16)

TS 129 675 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 17.7.0 Release 17)

TS 131 102 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 17.9.0 Release 17)

TS 131 111 V15.13.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 15.13.0 Release 15)

TS 131 111 V16.8.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.8.0 Release 16)

TS 131 121 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.11.0 Release 16)

TS 131 124 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 16.11.0 Release 16)

TS 131 130 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; (U)SIM Application Programming Interface (API); (U)SIM API for Javaâ„? Card (3GPP TS 31.130 version 17.2.0 Release 17)

TS 132 130 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Network sharing; Concepts and requirements (3GPP TS 32.130 version 17.6.0 Release 17)

TS 132 158 V16.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration;Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.9.0 Release 16)

TS 132 158 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration;Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 17.4.0 Release 17)

TS 132 160 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 17.7.0 Release 17)

TS 132 240 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging architecture and principles (3GPP TS 32.240 version 17.9.0 Release 17)

TS 132 255 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 17.9.0 Release 17)

TS 132 291 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 17.6.0 Release 17)

TS 132 298 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 17.6.0 Release 17)

TS 132 422 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 16.12.0 Release 16)

TS 132 422 V17.10.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 17.10.0 Release 17)

TS 133 117 V16.10.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 16.10.0 Release 16)

TS 133 117 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 17.3.0 Release 17)

TS 133 127 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 17.8.0 Release 17)

TS 133 128 V15.10.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128 version 15.10.0 Release 15)

TS 133 128 V16.14.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128 version 16.14.0 Release 16)

TS 133 128 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for

Lawful Interception (LI); Stage 3 (3GPP TS 33.128 version 17.8.0 Release 17)

TS 133 180 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.12.0 Release 16)

TS 133 180 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 17.9.0 Release 17)

TS 133 310 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.13.0 Release 16)

TS 133 310 V17.6.0:2023
Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 17.6.0 Release 17)

TS 133 501 V16.14.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.14.0 Release 16)

TS 133 501 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 17.9.0 Release 17)

TS 133 503 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Security Aspects of Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 33.503 version 17.3.0 Release 17)

TS 133 535 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP SA
5G; Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 17.8.0 Release 17)

TS 134 123-2 V15.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 15.4.0 Release 15)

TS 134 229-1 V16.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 16.5.0 Release 16)

TS 134 229-2 V16.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.6.0 Release 16)

TS 134 229-3 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 17.1.0 Release 17)

TS 134 229-5 V16.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 16.6.0 Release 16)

TS 136 104 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.9.0 Release 17)

TS 136 113 V15.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 15.5.0 Release 15)

TS 136 113 V16.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 16.3.0 Release 16)

TS 136 113 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 17.1.0 Release 17)

TS 136 141 V15.18.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.18.0 Release 15)

TS 136 141 V16.16.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.16.0 Release 16)

TS 136 141 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 17.9.0 Release 17)

TS 136 211 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 17.3.0 Release 17)

TS 136 213 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 17.5.0 Release 17)

TS 136 300 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 17.4.0 Release 17)

TS 136 304 V16.8.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.8.0 Release 16)

TS 136 304 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 17.4.0 Release 17)

TS 136 306 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.11.0 Release 16)

TS 136 306 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.4.0 Release 17)

TS 136 307 V13.16.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 13.16.0 Release 13)

TS 136 307 V14.13.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 14.13.0 Release 14)

TS 136 307 V15.10.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS

36.307 version 15.10.0 Release 15)

TS 136 307 V16.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 16.6.0 Release 16)

TS 136 307 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 17.4.0 Release 17)

TS 136 321 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 17.4.0 Release 17)

TS 136 331 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 16.12.0 Release 16)

TS 136 331 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 17.4.0 Release 17)

TS 136 413 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.12.0 Release 16)

TS 136 413 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 17.4.0 Release 17)

TS 136 423 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 17.4.0 Release 17)

TS 136 455 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 17.1.0 Release 17)

TS 136 509 V15.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 15.6.0 Release 15)

TS 136 509 V16.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 16.5.0 Release 16)

TS 136 509 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 17.3.0 Release 17)

TS 136 521-2 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 17.2.0 Release 17)

TS 136 523-2 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 17.5.0 Release 17)

TS 136 579-1 V15.9.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 15.9.0 Release 15)

TS 136 579-1 V16.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 16.0.0 Release 16)

TS 136 579-2 V15.7.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 15.7.0 Release 15)

TS 136 579-2 V16.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 16.0.0 Release 16)

TS 136 579-4 V15.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 15.5.0 Release 15)

TS 136 579-4 V16.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 16.0.0 Release 16)

TS 136 579-5 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 17.1.0 Release 17)

TS 136 579-6 V15.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 15.6.0 Release 15)

TS 136 579-6 V16.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 16.0.0 Release 16)

TS 136 579-7 V15.5.1:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 15.5.1 Release 15)

TS 137 104 V16.16.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.16.0 Release 16)

TS 137 104 V17.8.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 17.8.0 Release 17)

TS 137 105 V15.18.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.18.0 Release 15)

TS 137 105 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.13.0 Release 16)

TS 137 105 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.7.0 Release 17)

TS 137 113 V15.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile

Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 15.12.0 Release 15)

TS 137 113 V16.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 16.3.0 Release 16)

TS 137 113 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 17.1.0 Release 17)

TS 137 114 V15.10.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 15.10.0 Release 15)

TS 137 114 V16.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 16.1.0 Release 16)

TS 137 114 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 17.1.0 Release 17)

TS 137 141 V16.17.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.17.0 Release 16)

TS 137 141 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.9.0 Release 17)

TS 137 145-1 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.12.0 Release 16)

TS 137 145-1 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.7.0 Release 17)

TS 137 145-2 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.13.0 Release 16)

TS 137 145-2 V17.7.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 17.7.0 Release 17)

TS 137 213 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.12.0 Release 16)

TS 137 213 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for

shared spectrum channel access (3GPP TS 37.213 version 17.5.0 Release 17)

TS 137 320 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 17.3.0 Release 17)

TS 137 340 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 17.4.0 Release 17)

TS 137 355 V16.10.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.10.0 Release 16)

TS 137 355 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.4.0 Release 17)

TS 137 473 V17.2.0:2023
Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 17.2.0 Release 17)

TS 137 483 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; E1 Application Protocol (E1AP) (3GPP TS 37.483 version 17.4.0 Release 17)

TS 137 571-2 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.15.0 Release 16)

TS 137 571-2 V17.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 17.0.0 Release 17)

TS 137 571-3 V17.0.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 17.0.0 Release 17)

TS 137 571-4 V17.1.0:2023
Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites (3GPP TS 37.571-4 version 17.1.0 Release 17)

TS 138 101-2 V15.21.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.21.0 Release 15)

TS 138 101-2 V16.15.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.15.0 Release 16)

TS 138 101-2 V17.9.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.9.0 Release 17)

TS 138 101-4 V15.17.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 15.17.0 Release 15)

TS 138 101-4 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 16.12.0 Release 16)

TS 138 101-5 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio transmission and reception; Part 5: Satellite access Radio Frequency (RF) and performance requirements (3GPP TS 38.101-

5 version 17.3.0 Release 17)

TS 138 212 V16.11.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 16.11.0 Release 16)

TS 138 212 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 17.5.0 Release 17)

TS 138 213 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 16.13.0 Release 16)

TS 138 213 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 17.5.0 Release 17)

TS 138 214 V16.13.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 16.13.0 Release 16)

TS 138 214 V17.5.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 17.5.0 Release 17)

TS 138 215 V16.6.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer measurements (3GPP TS 38.215 version 16.6.0 Release 16)

TS 138 215 V17.3.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer measurements (3GPP TS 38.215 version 17.3.0 Release 17)

TS 138 300 V15.14.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 15.14.0 Release 15)

TS 138 300 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 16.12.0 Release 16)

TS 138 300 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 17.4.0 Release 17)

TS 138 305 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 17.4.0 Release 17)

TS 138 306 V15.20.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.20.0 Release 15)

TS 138 306 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.12.0 Release 16)

TS 138 321 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.4.0 Release 17)

TS 138 323 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 17.4.0 Release 17)

TS 138 331 V15.21.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.21.0 Release 15)

TS 138 331 V16.12.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.12.0 Release 16)

TS 138 340 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 17.4.0 Release 17)

TS 138 351 V17.4.0:2023
Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351

version 17.4.0 Release 17)

ES 201 873-1 V4.15.1:2023
Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language

ES 201 873-6 V4.14.1:2023
Comitet Tehnic ETSI: MTS
Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)

PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE CEN SUPUSE ANCHETEI PUBLICE

*În perioada **2023.04.01 – 2023.04.28***

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observaţii orice persoană fizică sau juridică, la adresa asro@asro.ro Proiectele pot fi obţinute de la ASRO precizând indicativul şi titlul proiectului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

prEN ISO 24212
Remediation techniques applied at contaminated sites (ISO/DIS 24212:2023)
dea: 2023-07-04

01.040 Vocabulare

01.040.35 Tehnologia informatiei (Vocabulare)

prEN ISO/IEC 2382-37
Information technology - Vocabulary - Part 37: Biometrics (ISO/IEC 2382-37:2022)
dea: 2023-07-20

01.040.45 Cai ferate (Vocabulare)

prEN ISO 19659-1
Railway applications - Heating, ventilation and air conditioning systems for rolling stock - Part 1: Terms and definitions (ISO 19659-1:2017)
dea: 2023-07-20

01.040.67 Industria alimentara (Vocabulare)

prEN 17972
Food authenticity - Food authenticity and fraud - Concepts, terms, and definitions
dea: 2023-06-29

01.040.75 Industria petroliera si tehnologii asociate (Vocabulare)

prEN 12597
Bitumen and bituminous binders - Terminology
dea: 2023-07-06

01.040.91 Constructii si materiale de constructii. (Vocabulare)

prEN 12597
Bitumen and bituminous binders - Terminology
dea: 2023-07-06

prEN ISO 29464
Cleaning of air and other gases - Terminology (ISO/DIS 29464:2023)
dea: 2023-07-20

03.080 Servicii

03.080.10 Servicii de mentenanta. Managementul infrastructurii

prEN 17948
Maintenance function and management
dea: 2023-06-29

prEN 17975
Maintenance - Energies and fluids risks control process for maintenance tasks - Guidance
dea: 2023-07-20

03.100 Organizarea si managementul întreprinderii. Sisteme de management

03.100.30 Managementul resurselor umane

prEN ISO 22014
Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)
dea: 2023-07-04

03.100.70 Sisteme de management

prEN ISO 45001
Occupational health and safety management systems - Requirements with guidance for use (ISO 45001:2018)
dea: 2023-07-06

07.100 Microbiologie

07.100.30 Microbiologie alimentara

prEN ISO 16140-7
Microbiology of the food chain - Method validation - Part 7: Protocol for the validation of identification methods of microorganisms (ISO/DIS 16140-7:2023)
dea: 2023-07-20

11.040 Echipament medical

11.040.10 Echipament pentru anestezie, respiratie si reanimare

EN ISO 81060-2:2019/prA2
Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - Amendment 2 (ISO 81060 2:2018/DAM 2:2023)
dea: 2023-07-03

11.040.70 Echipament oftalmologic

prEN ISO 7921
Ophthalmic optics and instruments - Near reading charts (ISO/DIS 7921:2023)
dea: 2023-07-04

11.080 Sterilizare si dezinfectare

11.080.10 Echipament de sterilizare

prEN 13060
Sterilizers for medical purposes - Small steam sterilizers - Requirements and testing
dea: 2023-07-20

prEN 14180
Sterilizers for medical purposes - Low temperature steam and formaldehyde sterilizers - Requirements and testing
dea: 2023-06-29

prEN ISO 15883-2
Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for critical and semi-critical medical devices (ISO/DIS 15883-2:2023)
dea: 2023-07-17

prEN ISO 15883-3
Washer-disinfectors - Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers (ISO/DIS 15883-3:2023)
dea: 2023-07-17

11.080.99 Alte standarde referitoare la sterilizare si dezinfectare

prEN ISO 11137-1
Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices (ISO/DIS 11137-1:2023)
dea: 2023-07-07

11.140 Echipament pentru spitale

prEN 455-5
Medical gloves for single use - Part 5: Extractable chemical residues
dea: 2023-07-06

13.060 Calitatea apei

13.060.20 Apa potabila

prEN 14944-2
Influence of cementitious products on water i ntended for human consumption —
Test methods —
Part 2: Influence of migration from siteapplied cementitious products and associ ated noncementitious
products on the organoleptic parameters
dea: 2023-07-20

prEN 14944-4
Influence of cementitious products on water i ntended for human consumption —
Test methods —
Part 4: Migration of substances
from site applied cementititous materials and associated noncementitious
products/materials
dea: 2023-07-20

prEN 17971
In-situ generating and dosing devices of biocides for drinking and swimming pool water treatment - Ozone
dea: 2023-07-20

13.060.70 Determinarea proprietatilor biologice ale apei

prEN ISO 23196
Water quality - Calculation of biological equivalence (BEQ) concentrations (ISO 23196:2022)
dea: 2023-07-20

13.100 Securitate profesionala. Igiena industriala

prEN 17975
Maintenance - Energies and fluids risks control process for maintenance tasks - Guidance
dea: 2023-07-20

prEN ISO 45001
Occupational health and safety management systems - Requirements with guidance for use (ISO 45001:2018)
dea: 2023-07-06

prEN ISO/ASTM 52938-1
Additive manufacturing of metals - Environment, health and safety - Part 1: Safety requirements for PBF-LB machines (ISO/ASTM DIS 52938-1:2023)
dea: 2023-07-20

13.110 Securitatea masinilor si aparatelor

prEN ISO 11161
Safety of machinery - Integration of machinery into a system - Basic requirements (ISO/DIS 11161:2023)
dea: 2023-07-04

prEN ISO/ASTM 52938-1
Additive manufacturing of metals - Environment, health and safety - Part 1: Safety requirements for PBF-LB machines (ISO/ASTM DIS 52938-1:2023)
dea: 2023-07-20

13.220 Protectia contra incendiilor

13.220.20 Protectia contra incendiilor

prEN 1366-8
Fire resistance tests for service installations - Part 8: Smoke extraction ducts
dea: 2023-07-20

prEN 12416-1
Fixed firefighting systems - Powder systems - Part 1: Requirements and test methods for components
dea: 2023-06-29

prEN 15004-11
Fixed firefighting systems - Gas extinguishing systems - Part 11: Physical properties and systems design of gas extinguishing systems for Halocarbon Blend 55 extinguishant (ISO 14520-17:2022, modified)
dea: 2023-07-13

prEN 17450-2
Fixed firefighting systems - Water mist systems - Part 2: Product characteristics and test methods for nozzles
dea: 2023-07-13

13.220.50 Rezistenta la foc a materialelor si a elementelor de constructii

prEN 1366-8
Fire resistance tests for service installations - Part 8: Smoke extraction ducts
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prEN 1366-9
Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts
dea: 2023-07-20

13.340 Echipament de protectie individuala

13.340.40 Echipamente de protectie pentru mâna

prEN ISO 374-6
Protective gloves against dangerous chemicals and micro-organisms - Part 6: Protective gloves for hairdressers (ISO/DIS 374-6:2023)
dea: 2023-07-13

17.140 Acustica si masurari acustice

17.140.20 Zgomot emis de masini si echipamente

prEN ISO 16032
Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO/DIS 16032:2023)
dea: 2023-07-13

17.180 Optica si masurari optice

17.180.20 Culori si masurarea luminii

prEN ISO/CIE 11664-5
Colorimetry - Part 5: CIE 1976 L*u*v* colour space and u', v' uniform chromaticity scale diagram (ISO/CIE DIS 11664-5:2023)
dea: 2023-06-27

19.100 Încercari nedistructive

prEN ISO 18563-3
Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 3: Complete systems (ISO/DIS 18563-3:2023)
dea: 2023-07-05

23.020 Mijloace pentru stocarea fluidelor

23.020.35 Butelii de gaz

EN ISO 18119:2018/prA2
Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 2 (ISO 18119:2018/DAM 2:2023)
dea: 2023-07-20

23.040 Conducte si accesorii

23.040.01 Conducte si accesorii în general

prEN 12007-5
Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 5: Service lines - Specific functional requirements
dea: 2023-07-06

23.040.10 Tevi si tuburi din fonta si otel

prEN 10216-2
Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties
dea: 2023-06-29

prEN 17970
Ductile iron pipes - Push-in joints for ductile iron pipe systems - Resistance against root intrusion - Requirements and test methods
dea: 2023-07-06

23.140 Compresoare si masini pneumatice

prEN ISO 18623-1
Air compressors and compressed air systems - Part 1: Air compressor safety requirements (ISO/DIS 18623-1:2023)
dea: 2023-07-18

25.030 Fabricatia aditiva

prEN ISO/ASTM 52938-1
Additive manufacturing of metals - Environment, health and safety - Part 1: Safety requirements for PBF-LB machines (ISO/ASTM DIS 52938-1:2023)
dea: 2023-07-20

prEN ISO/ASTM 52943-2
Additive manufacturing for aerospace - Process characteristics and performance - Part 2: Directed energy deposition using wire and arc (ISO/ASTM DIS 52943-2:2023)
dea: 2023-07-10

prEN ISO/ASTM 52953
Additive Manufacturing for metals - General Principles - Registration of geometric data acquired from process-monitoring and for quality control (ISO/ASTM DIS 52953:2023)
dea: 2023-07-19

25.040 Sisteme de automatizare industriala

25.040.01 Sisteme de automatizare industriala în general

prEN ISO 11161
Safety of machinery - Integration of machinery into a system - Basic requirements (ISO/DIS 11161:2023)
dea: 2023-07-04

25.220 Tratamente si acoperiri de suprafata

25.220.20 Tratarea suprafetei

prEN ISO 9717
Metallic and other inorganic coatings - Phosphate conversion coating of metals (ISO/DIS 9717:2023)
dea: 2023-07-14

25.220.40 Acoperiri metalice

prEN ISO 9717
Metallic and other inorganic coatings - Phosphate conversion coating of metals (ISO/DIS 9717:2023)
dea: 2023-07-14

27.020 Motoare cu ardere interna

prEN ISO/IEC 80079-41
Explosive atmospheres - Part 41: Reciprocating internal combustion engines (ISO/IEC DIS 80079-41:2023)
dea: 2023-07-14

29.260 Echipament electric pentru conditii speciale

29.260.20 Aparate si echipamente electrice pentru medii explozive

prEN ISO/IEC 80079-41
Explosive atmospheres - Part 41: Reciprocating internal combustion engines (ISO/IEC DIS 80079-41:2023)
dea: 2023-07-14

31.260 Optoelectronica. Aparate cu laser

prEN ISO 14880-2
Optics and photonics - Microlens arrays - Part 2: Test methods for wavefront aberrations (ISO/DIS 14880-2:2023)
dea: 2023-07-05

prEN ISO 14880-3
Optics and photonics - Microlens arrays - Part 3: Test methods for optical properties other than wavefront aberrations (ISO/DIS 14880-3:2023)
dea: 2023-07-04

prEN ISO 14880-4
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dea: 2023-07-04

35.030 Securitatea IT

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European Digital Identity Wallets standards Gap Analysis
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35.240 Aplicatii privind tehnologia informatiei

35.240.15 Cartele de identificare. Carduri cu cip. Biometrie

prEN ISO/IEC 2382-37
Information technology - Vocabulary - Part 37: Biometrics (ISO/IEC 2382-37:2022)
dea: 2023-07-20

FprCEN/TR 17982
European Digital Identity Wallets standards Gap Analysis
dea: 2023-07-13

35.240.67 Aplicatii IT în cladiri si industria de constructii

prEN 17632-2
EN 17632-2 Building Information Modelling (BIM) - Semantic Modelling and Linking (SML), Part 2: Domain-specific modelling patterns
dea: 2023-07-20

prEN ISO 22014
Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)
dea: 2023-07-04

35.240.80 Aplicatii IT în medicina

prEN ISO 10781
Health Informatics - HL7 Electronic Health Records-System Functional Model, Release 2.1 (EHR FM) (ISO/DIS 10781:2023)
dea: 2023-07-06

prEN ISO/IEEE 11073-10419
Health informatics - Personal health device communication - Part 10419: Device specialization - Insulin pump (ISO/IEEE 11073-10419:2019)
dea: 2023-07-20

43.080 Vehicule comerciale

43.080.01 Vehicule comerciale în general

prEN 17963
Natural gas vehicles - LNG vehicle fuelling

procedures
dea: 2023-07-06

45.060 Material rulant pentru cai ferate

45.060.01 Material rulant pentru cai ferate în general

prEN ISO 19659-1
Railway applications - Heating, ventilation and air conditioning systems for rolling stock - Part 1: Terms and definitions (ISO 19659-1:2017)
dea: 2023-07-20

45.060.10 Material rulant de tractiune

EN 16186-8:2022/prA1
Railway applications - Driver's cab - Part 8: Tram vehicle layout and access
dea: 2023-06-29

45.140 Echipamente pentru metrou, tramvai si metrou usor

EN 16186-8:2022/prA1
Railway applications - Driver's cab - Part 8: Tram vehicle layout and access
dea: 2023-06-29

49.025 Materiale pentru aeronautica

49.025.01 Materiale pentru aeronautica în general

prEN ISO/ASTM 52943-2
Additive manufacturing for aerospace - Process characteristics and performance - Part 2: Directed energy deposition using wire and arc (ISO/ASTM DIS 52943-2:2023)
dea: 2023-07-10

49.060 Echipament electric

prEN 3475-408
Aerospace series - Cables, electrical, aircraft use - Test methods - Part 408: Fire resistance
dea: 2023-07-06

prEN 3475-606
Aerospace series - Cables, electrical, aircraft use - Test methods - Part 606: Wicking Test on Textile Braid Insulation
dea: 2023-07-13

prEN 3661-001
Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification
dea: 2023-07-13

prEN 3662-001
Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification
dea: 2023-07-20

prEN 3773-001
Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A - Part 001: Technical specification
dea: 2023-07-20

prEN 3774-001
Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 001: Technical specification
dea: 2023-07-20

prEN 4641-102
Aerospace series - Cables, optical 125 µm outside diameter cladding - Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter - Product standard
dea: 2023-07-06

53.060 Carucioare de manipulare

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Rough-terrain trucks - Safety requirements and verification - Part 4: Additional requirements for variable-reach trucks handling freely suspended loads
dea: 2023-07-13

EN 1459-5:2020/prA1
Rough-terrain trucks - Safety requirements and verification - Part 5: Attachment interface
dea: 2023-07-13

prEN 1459-1
Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks
dea: 2023-07-13

53.100 Masini si utilaje pentru lucrari terasiere

prEN 17969
Earth-moving machinery - Safety - Contamination protective systems
dea: 2023-07-13

59.060 Fibre textile

59.060.01 Fibre textile în general

prEN ISO 1833-4
Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite) (ISO/DIS 1833-4:2023)
dea: 2023-07-06

59.080 Produse din industria textila

59.080.01 Textile în general

prEN ISO 105-B04
Textiles - Tests for colour fastness - Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO/DIS 105-B04:2023)
dea: 2023-07-14

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Textiles - Tests for colour fastness - Part C12: Colour fastness to industrial laundering (ISO/DIS 105-C12:2023)
dea: 2023-07-20

61.020 Îmbracaminte

prEN 14682
Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications
dea: 2023-07-06

65.060 Masini si echipamente agricole

65.060.01 Masini si echipamente agricole în general

EN 12965:2019/prA1
Tractors and machinery for agriculture and forestry - Power take-off (PTO) drive shafts and their guards - Safety
dea: 2023-07-06

65.080 Îngrasaminte

prEN 17707
Plant biostimulants - Determination of the yeast and mould content
dea: 2023-07-06

prEN 17708
Plant biostimulants - Preparation of sample for microbial analysis
dea: 2023-07-06

prEN 17709
Plant biostimulants - Determination of Azobacter spp.
dea: 2023-07-06

prEN 17710
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Plant biostimulants - Detection of Vibrio spp.
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prEN 17713
Plant biostimulants - Determination of Azospirillum spp.
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Plant biostimulants - Determination of microorganisms' concentration
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Plant biostimulants - Detection of Shigella spp.
dea: 2023-07-06

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Plant biostimulants - Determination of Escherichia coli
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Plant biostimulants - Detection of Salmonella spp.
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prEN 17718
Plant biostimulants - Determination of Rhizobium spp.
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prEN 17719
Plant biostimulants - Determination of the anaerobic plate count
dea: 2023-07-06

prEN 17720
Plant biostimulants - Determination of Enterococcaceae
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prEN 17721
Plant biostimulants - Determination of the pH for liquid microbial plant biostimulants/pH in microbial products - Determination of pH
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Plant biostimulants - Determination of mycorrhizal fungi
dea: 2023-07-06

prEN 17723
Plant biostimulants - Determination of chloride
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prEN 17725
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67.020 Procese în industria alimentara

prEN 17972
Food authenticity - Food authenticity and fraud - Concepts, terms, and definitions
dea: 2023-06-29

67.220 Stimulenti si condimente. Aditivi alimentari

67.220.10 Stimulenti si condimente

prEN 16466-1
Food authenticity - Isotopic analysis of acetic acid and water in vinegar - Part 1: 2H-NMR analysis of acetic acid
dea: 2023-07-13

67.250 Materiale si produse în contact cu alimentele

prEN 14944-2
Influence of cementitious products on water i ntended for human consumption —
Test methods —
Part 2: Influence of migration from siteapplied cementitious products and associ ated noncementitious
products on the organoleptic parameters
dea: 2023-07-20

prEN 14944-4
Influence of cementitious products on water i ntended for human consumption —
Test methods —
Part 4: Migration of substances
from site applied cementititous materials and associated noncementitious
products/materials
dea: 2023-07-20

71.100 Produse din industria chimica

71.100.80 Produse chimice pentru purificarea apei

prEN 12122
Chemicals used for treatment of water intended for human consumption - Ammonia solution
dea: 2023-07-20

71.120 Echipamente pentru industria chimica

71.120.99 Alte echipamente pentru industria chimica

prEN ISO 5771
Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification (ISO/DIS 5771:2023)
dea: 2023-07-21

75.080 Produse petroliere în general

prEN ISO 23581
Petroleum products and related products - Determination of kinematic viscosity - Method by Stabinger type viscometer (ISO/DIS 23581:2023)
dea: 2023-07-19

75.140 Ceara de petrol, materiale bituminoase si alte produse petroliere

prEN 1426
Bitumen and bituminous binders - Determination of needle penetration
dea: 2023-07-06

prEN 12594
Bitumen and bituminous binders - Preparation of test samples
dea: 2023-07-06

prEN 12597
Bitumen and bituminous binders - Terminology
dea: 2023-07-06

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75.160.10 Combustibili solizi

prEN ISO 4349
Solid recovered fuels - Determination of the Recycling Index for co-processing (ISO/DIS 4349:2023)
dea: 2023-07-20

prEN ISO 21911-1
Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry (ISO 21911-1:2022)
dea: 2023-07-20

75.160.20 Combustibili lichizi

prEN 13016-1
Liquid petroleum products - Vapour pressure - Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)
dea: 2023-07-20

75.200 Masini si utilaje pentru transportul produselor petroliere si a gazului natural

prEN 17928-1
Gas infrastructure - Injection stations - Part 1: General requirements
dea: 2023-07-20

prEN 17928-2
Gas infrastructure - Injection stations - Part 2: Specific requirements regarding the injection of biomethane
dea: 2023-07-20

prEN 17928-3
Gas infrastructure - Injection stations - Part 3: Specific requirements regarding the injection of hydrogen fuel gas
dea: 2023-07-20

prEN 17963
Natural gas vehicles - LNG vehicle fuelling procedures
dea: 2023-07-06

77.040 Încercarile metalelor

77.040.10 Încercari mecanice ale metalelor

prEN ISO 5754
Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO/FDIS 5754:2023)
dea: 2023-06-30

77.120 Metale neferoase

77.120.10 Aluminiu si aliaje de aluminiu

prEN 683-2
Aluminium and aluminium alloys - Finstock - Part 2: Mechanical properties
dea: 2023-07-06

77.140 Produse din otel si fonta

77.140.15 Oteluri pentru armarea betonului

prEN 10370
Steel for the reinforcement of concrete - Stainless steel
dea: 2023-07-20

77.140.75 Tevi si tuburi din otel pentru utilizari speciale

prEN 10216-2
Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties
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77.160 Metalurgia pulberilor

prEN ISO 5754
Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO/FDIS 5754:2023)
dea: 2023-06-30

79.060 Placi din lemn

79.060.01 Placi din lemn în general

prEN ISO 12460-3
Wood-based panels - Determination of

formaldehyde release - Part 3: Gas analysis method (ISO/FDIS 12460-3:2023)
dea: 2023-07-05

81.060 Ceramica

81.060.30 Ceramica de tehnica avansata

prEN ISO 23739
Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of zirconium oxide powders (ISO 23739:2021)
dea: 2023-07-06

83.140 Produse din cauciuc si materiale plastice

83.140.40 Furtunuri flexibile

prEN ISO 5771
Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification (ISO/DIS 5771:2023)
dea: 2023-07-21

83.180 Adezivi

prEN ISO 21368
Adhesives - Guidelines for the fabrication of adhesively bonded structures and reporting procedures suitable for the risk evaluation of such structures (ISO 21368:2022)
dea: 2023-07-20

87.040 Vopsele si emailuri

prEN ISO 8130-16
Coating powders - Part 16: Determination of density by liquid displacement in a measuring cylinder (ISO 8130-16:2022)
dea: 2023-07-20

prEN ISO 22553-15
Paints and varnishes - Electro-deposition coatings - Part 15: Permeate residues (ISO 22553-15:2022)
dea: 2023-07-20

prEN ISO 22553-16
Paints and varnishes - Electro-deposition coatings - Part 16: Pigment-binder ratio (ISO 22553-16:2022)
dea: 2023-07-20

91.010 Constructii civile în general

91.010.01 Constructii în general

prEN 17632-2
EN 17632-2 Building Information Modelling (BIM) - Semantic Modelling and Linking (SML), Part 2: Domain-specific modelling patterns
dea: 2023-07-20

prEN ISO 22014
Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)
dea: 2023-07-04

91.080 Structuri de constructii

91.080.99 Alte structuri

FprCEN/TS 19102
Design of tensioned membrane structures
dea: 2023-07-20

91.100 Materiale de constructii

91.100.15 Materiale si produse minerale

prEN 15167-2
Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 2: Assessment and verification of constancy of performance
dea: 2023-07-06

91.100.50 Lianti. Materiale pentru etansare

prEN 1426
Bitumen and bituminous binders - Determination of needle penetration
dea: 2023-07-06

prEN 12594
Bitumen and bituminous binders - Preparation of test samples
dea: 2023-07-06

prEN 12597
Bitumen and bituminous binders - Terminology
dea: 2023-07-06

prEN 12607-1
Bitumen and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTFOT method
dea: 2023-07-06

91.120 Protectia exterioara si interioara a cladirilor

91.120.20 Acustica în cladiri. Izolatie fonica

prEN ISO 16032
Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO/DIS 16032:2023)
dea: 2023-07-13

91.140 Instalatii în cladiri

91.140.01 Instalatii în cladiri în general

prEN ISO 16032
Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO/DIS 16032:2023)
dea: 2023-07-13

91.140.30 Ventilatie si climatizare

prEN 1366-9
Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts
dea: 2023-07-20

prEN ISO 29464
Cleaning of air and other gases - Terminology (ISO/DIS 29464:2023)
dea: 2023-07-20

91.190 Accesorii pentru constructii

EN 16867:2020+A1:2021/prA2
Building hardware - Mechatronic door furniture - Requirements and test methods
dea: 2023-07-06

97.100 Aparate de încalzit de uz casnic, industrial si comercial

97.100.30 Aparate de încalzit cu combustibili solizi

prEN 16510-2-5
Residential solid fuel burning appliances - Part 2-5: Slow heat release appliances
dea: 2023-06-29

97.140 Mobila

prEN 15338
Hardware for furniture - Strength and durability of extension elements and their components
dea: 2023-06-29

97.190 Echipamente pentru copii

prEN 14682
Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications
dea: 2023-07-06

97.220 Echipamente si instalatii sportive

97.220.10 Instalatii sportive

EN 13451-1:2020/prA1
Swimming pool equipment - Part 1: General safety requirements and test methods for equipment installed in pools for public use
dea: 2023-07-20

EN 15288-1:2018/prA1
Swimming pools for public use - Part 1: Safety requirements for design
dea: 2023-07-20

PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE CENELEC SUPUSE ANCHETEI PUBLICE

*În perioada **2023.04.01** – **2023.04.28***

Proiectele de standarde de mai jos sunt supuse anchetei publice. Asupra acestor proiecte poate face observaţii orice persoană fizică sau juridică, la adresa asro@asro.ro. Proiectele pot fi obţinute de la ASRO precizând indicativul şi titlul standardului. Termenul limită până la care se pot trimite comentarii este cu 30 zile calendaristice înainte de termenul limită de vot (dea), indicat după fiecare proiect.

prEN 60034-30-3:2023
Rotating electrical machines - Part 30-3: Efficiency classes of high voltage AC motors (IE code)
dea: 2023-07-14

prEN IEC 60061-PR2023-1:2023
Lamp caps and holders together with gauges for the control of interchangeability and safety - Gauges for holders GJ6.6 in 7005-188
dea: 2023-07-21

prEN IEC 61820-2:2023
Electrical installations for lighting and beaconing of aerodromes - Part 1-2: Particular requirements for series circuits
dea: 2023-07-14

prEN IEC 63082-2:2023
Intelligent Device Management - Part 2: Normative Requirements and Recommendations
dea: 2023-07-07

13.110 Securitatea masinilor si aparatelor

EN IEC 62061:2021/prA1:2023
Amendment 1 - Safety of machinery - Functional safety of safety-related control systems
dea: 2023-07-21

13.120 Securitatea în locuinte

EN IEC 60335-2-25:2021/prAB:2023
Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
dea: 2023-06-30

17.220 Electricitate. Magnetism. Masurari electrice si magnetice

17.220.20 Masurari de marimi electrice si magnetice

prEN IEC 60060-2:2023
High-voltage test techniques - Part 2: Measuring systems
dea: 2023-07-14

19.040 Încercari de mediu

prEN IEC 60068-2-86:2023
Environmental Testing - Part 2-86: Tests-Test Fx: Multi-Exciter and Multi-Axis Shock and Vibration Testing and Guidance
dea: 2023-07-21

19.080 Încercari electrice si electronice

prEN IEC 60060-2:2023
High-voltage test techniques - Part 2: Measuring systems
dea: 2023-07-14

23.120 Ventilatoare. Exhaustoare. Aparate de conditionat aerul

prEN IEC 60335-2-40:2023
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
dea: 2023-07-07

prEN IEC 60335-2-40:2023/prAA:2023
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
dea: 2023-07-07

25.040 Sisteme de automatizare industriala

25.040.99 Alte sisteme industriale de automatizare

EN IEC 62061:2021/prA1:2023
Amendment 1 - Safety of machinery - Functional safety of safety-related control systems
dea: 2023-07-21

25.180 Cuptoare industriale

25.180.10 Cuptoare electrice

prEN IEC 60676:2023
Industrial electroheating equipment - Test methods for direct arc furnaces
dea: 2023-07-21

27.160 Energie solara

EN 62920:2017/prAB
Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment
dea: 2023-07-07

29.020 Electrotehnica în general

EN IEC 62061:2021/prA1:2023
Amendment 1 - Safety of machinery - Functional safety of safety-related control systems
dea: 2023-07-21

29.040 Fluide electroizolante

29.040.01 Fluide electroizolante în general

prEN IEC 62770:2023
Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment
dea: 2023-06-30

29.040.10 Uleiuri electroizolante

prEN IEC 60422:2023
Mineral insulating oils in electrical equipment - Supervision and maintenance guidance
dea: 2023-06-30

29.100 Componente pentru echipament electric

29.100.10 Componente magnetice

prEN IEC 62024-2:2023
High frequency inductive components - Electrical characteristics and measuring methods - Part 2: Rated current of inductors for DC-to-DC converters
dea: 2023-07-14

29.160 Masini electrice rotative

29.160.01 Masini electrice rotative în general

prEN IEC 60034-12:2023
Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors
dea: 2023-07-21

29.180 Transformatoare. Bobine de inductanta

prEN IEC 61558-2-5:2023
Safety of transformers, reactors, power supply units and combinations thereof - Part 2-5: Particular requirements and test for transformer for shavers, power supply units for shavers and shaver supply units
dea: 2023-07-07

29.220 Acumulatoare si elemente galvanice

29.220.20 Acumulatoare si baterii acide

prEN IEC 61427-2:2023
Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications
dea: 2023-07-14

29.260 Echipament electric pentru conditii speciale

29.260.20 Aparate si echipamente electrice pentru medii explozive

EN IEC 60079-15:2019/prAA
Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
dea: 2023-07-14

prEN IEC 60079-14:2023
Electrical installation design, selection and installation of equipment, including initial inspection
dea: 2023-07-14

31.060 Condensatoare

31.060.70 Condensatoare de putere

EN 60143-1:2015/prA1:2023
Series capacitors for power systems - Part 1: General - Amendment 1
dea: 2023-07-21

31.160 Filtre electrice

prEN IEC 60939-3:2023
Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate
dea: 2023-07-07

33.060 Radiocomunicatii

33.060.20 Echipamente de primire si de transmitere date

EN 61097-12/prA2
Amendment 2 - Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance requirements, methods of testing and

required test results
dea: 2023-07-07

33.100 Compatibilitate electromagnetica (EMC)

33.100.10 Emisie

prEN IEC 55011:2023
Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
dea: 2023-06-30

EN IEC 55015:2019/prA1:2023
Amendment 1 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
dea: 2023-07-14

EN IEC 61000-6-3:2021/prA1:2023 (Frag 1)
Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments - Miscellaneous items on General Maintenance - Amendment 1/Fragment 1
dea: 2023-06-30

33.180 Comunicatii prin fibra optica

33.180.01 Sisteme cu fibra optica în general

prEN IEC 60794-2-20:2023
Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical cables
dea: 2023-06-30

35.020 Tehnologia informatiei (IT) în general

CLC/FprTS 50600-5-1:2023
Information technology - Data centre facilities and infrastructures - Part 5-1: Maturity Model for Energy Management and Environmental Sustainability
dea: 2023-07-21

35.110 Retele

CLC/FprTS 50600-5-1:2023
Information technology - Data centre facilities and infrastructures - Part 5-1: Maturity Model for Energy Management and Environmental Sustainability
dea: 2023-07-21

35.160 Sisteme de microprocesoare

CLC/FprTS 50600-5-1:2023
Information technology - Data centre facilities and infrastructures - Part 5-1: Maturity Model for Energy Management and Environmental Sustainability
dea: 2023-07-21

43.040 Sisteme pentru vehicule rutiere

43.040.10 Echipament electric si electronic

prEN 50436-7:2023
Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document
dea: 2023-07-21

45.060 Material rulant pentru cai ferate

45.060.01 Material rulant pentru cai ferate în general

prEN IEC 62290-1:2023
Railway applications - Urban guided transport management and command/control systems - Part 1: System principles and fundamental concepts
dea: 2023-07-21

prEN IEC 62290-2:2023
Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification
dea: 2023-07-21

prEN IEC 62290-3:2023
Railway applications - Urban guided transport management and command/control systems - Part 3: System requirements specification
dea: 2023-07-21

47.020 Constructii navale si structuri maritime în general

47.020.70 Echipament pentru navigatie si control

EN 61097-12/prA2
Amendment 2 - Global maritime distress and safety system (GMDSS) - Part 12: Survival craft portable two-way VHF radiotelephone apparatus - Operational and performance

requirements, methods of testing and required test results
dea: 2023-07-07

71.040 Chimie analitica

71.040.40 Metode de analize chimice

prEN 50436-7:2023
Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document
dea: 2023-07-21

91.140 Instalatii în cladiri

91.140.70 Instalatii sanitare

EN IEC 60335-2-84:2021/prAB:2023
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilet appliances
dea: 2023-06-30

97.040 Echipament de bucatarie

97.040.20 Aragaze, aparate de încalzire, cuptoare si aparate similare

EN 60335-2-50:2003/prAA:2023
Household and similar electrical appliances - Safety - Part 2-50: Particular requirements for commercial electric bains-marie
dea: 2023-06-30

EN IEC 60335-2-25:2021/prAB:2023
Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens
dea: 2023-06-30

PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE EUROPENE ETSI SUPUSE ANCHETEI PUBLICE

*În perioada **2023.04.01 – 2023.04.28***

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EN 301 406-2 V3.0.1
Comitet Tehnic ETSI: DECT
Digital Enhanced Cordless Telecommunications (DECT); Harmonised Standard for access to radio spectrum; Part 2: DECT-2020 NR
dea: 2023-07-27

EN 303 213-8 V2.0.1
Comitet Tehnic ETSI: ERM TGAERO
Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 8: Community Specification for A-SMGCS guidance service
dea: 2023-07-13

STANDARDIZAREA INTERNAŢIONALĂ

Informaţiile din această secţiune se referă la activitatea din cadrul Organizaţiei Internaţionale de Standardizare (ISO) şi a Comisiei Electrotehnice Internaţionale (IEC).

Pentru înțelegerea simbolurilor utilizate în această secțiune se fac precizările de mai jos:

ISO	standard internațional ISO (de exemplu, ISO 9001)
IEC	standard internațional IEC (de exemplu, IEC 60050)
ISO/TS, IEC/TS	specificație tehnică ISO, IEC
ISO/TR, IEC/TR	raport tehnic ISO, IEC
ISO/PAS, IEC PAS	specificație disponibilă publicului ISO, IEC
IWA	acordul unui workshop ISO, IEC
ISO/DIS	proiect de standarde internațional ISO
dea	termenul limită de vot

STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAŢIONALE ISO APROBATE

*În perioada **2023.04.01 – 2023.04.28***

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI

ISO/IEC 7816-6:2023
Identification cards — Integrated circuit cards — Part 6: Interindustry data elements for interchange

ISO/IEC 13818-1:2022/Amd 1:2023
Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems — Amendment 1: Carriage of LCEVC and other improvements

ISO/IEC 13818-1:2022/Cor 1:2023
Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems — Technical Corrigendum 1: Adding missing field compatibleProfileSetsPresent

ISO/IEC 14543-4-302:2023
Information technology - Home Electronic System (HES) architecture — Part 4-302: Application protocols for electrical storage systems and controllers

ISO/IEC 14776-253:2023
Information technology — Small Computer System Interface (SCSI) — Part 253: USB attached SCSI - 3 (UAS-3)

ISO/IEC 18013-2:2020/Amd 1:2023
Personal identification — ISO-compliant driving licence — Part 2: Machine-readable technologies — Amendment 1: DG11 length for compact encoding

ISO/IEC 18013-3:2017/Amd 2:2023
Information technology — Personal identification — ISO-compliant driving licence — Part 3: Access control, authentication and integrity validation — Amendment 2: Updates for passive authentication

ISO/IEC 20008-2:2013/Amd 2:2023
Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 2

ISO/IEC TS 33010:2023
Information technology — Process assessment — Guidance for performing process assessments

ISO/TC 1 FILETE

ISO 262:2023
ISO general purpose metric screw threads — Selected sizes for bolts, screws, studs and nuts

ISO 724:2023
ISO general purpose metric screw threads — Basic dimensions

ISO/TC 20 AERONAUTICA SI SPATIU

ISO 21349:2023
Space systems — Project reviews

ISO 21350:2023
Space systems — Off-the-shelf item utilization

ISO 23629-5:2023
UAS traffic management (UTM) — Part 5: UTM functional structure

ISO 23629-8:2023
UAS traffic management (UTM) — Part 8: Remote identification

ISO/TC 22 VEHICULE RUTIERE

ISO/TR 6409:2023
Road vehicles — Analysis of technical changes of ISO 5011:2020

ISO 11992-4:2023
Road vehicles — Interchange of digital information on electrical connections between towing and towed vehicles — Part 4: Diagnostic communication

ISO/TS 20459:2023
Road vehicles — Injury risk functions for advanced pedestrian legform impactor (aPLI)

ISO 23684:2023
Road vehicles — Technical personnel dealing with natural gas vehicles (NGVs) — Training and qualification

ISO/TC 23 TRACTOARE SI MATERIALE AGRICOLE SI FORESTIERE

ISO 4254-13:2023
Agricultural machinery — Safety — Part 13: Large rotary mowers

ISO 5718-1:2023
Harvesting equipment — Requirements for cutting elements — Part 1: Blades used on rotary disc mowers and rotary drum mowers

ISO 5718-2:2023
Harvesting equipment — Requirements for cutting elements — Part 2: Blades used on large rotary mowers

ISO 7914:2023
Forestry machinery — Portable chain-saws — Minimum handle clearance and sizes

ISO/TC 31 ANVELOPE, JANTE SI VALVE

ISO 4250-1:2023
Earth-mover tyres and rims — Part 1: Tyre designation and dimensions

ISO 4250-2:2023
Earth-mover tyres and rims — Part 2: Loads and inflation pressures

ISO 13325:2019/Amd 1:2023
Tyres — Coast-by methods for measurement of tyre-to-road sound emission — Amendment 1: Uncertainties

ISO 24469:2023
Road wear test of studded tyres

ISO/TC 34 PRODUSE ALIMENTARE

ISO 7124:2023
Eggs and egg products — Determination of fipronil and metabolites residues — Liquid chromatography tandem mass spectrometry method

ISO 8586:2023
Sensory analysis — Selection and training of sensory assessors

ISO 22935-1:2023
Milk and milk products — Sensory analysis — Part 1: Recruitment, selection, training and monitoring of assessors

ISO 22935-2:2023
Milk and milk products — Sensory analysis — Part 2: Methods for sensory evaluation

ISO 22935-3:2023
Milk and milk products — Sensory analysis — Part 3: Method for evaluation of compliance with product specifications for sensory properties by scoring

ISO/TC 38 TEXTILE

ISO 5162:2023
Textiles — Quality labelling specification for dehaired cashmere

ISO 5773:2023
Textiles — Determination of components in flax fibres

ISO/TC 39 MASINI-UNELTE

ISO 10791-2:2023
Test conditions for machining centres — Part 2: Geometric tests for machines with vertical spindle (vertical Z-axis)

ISO/TC 42 FOTOGRAFIE

ISO 15739:2023
Photography — Electronic still-picture imaging — Noise measurements

ISO/TC 44 SUDARE SI PROCEDEE CONEXE

ISO 17663:2023
Welding — Quality requirements for heat treatment in connection with welding and allied processes

ISO 18274:2023
Welding consumables — Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys — Classification

ISO/TC 45 ELASTOMERI SI PRODUSE PE BAZA DE ELASTOMERI

ISO 1407:2023
Rubber — Determination of solvent extract

ISO 5774:2023
Plastics hoses — Textile-reinforced types for compressed-air applications — Specification

ISO/TC 46 INFORMARE SI DOCUMENTARE

ISO 16245:2023
Information and documentation — Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents

ISO 28560-3:2023
Information and documentation — RFID in libraries — Part 3: Fixed length encoding

ISO/TC 48 STICLARIE DE LABORATOR SI APARATE CONEXE

ISO 13132:2023
Laboratory glassware — Petri dishes

ISO/TC 59 CONSTRUCTII IMOBILIARE

ISO 21928-2:2023
Sustainability in buildings and civil engineering works — Sustainability indicators — Part 2: Framework for the development of indicators for civil engineering works

ISO/TC 61 MATERIALE PLASTICE

ISO 4907-1:2023
Plastics — Ion exchange resin — Part 1: Determination of exchange capacity of acrylic anion exchange resins

ISO 4907-2:2023
Plastics — Ion exchange resin — Part 2: Determination of water content of anion exchange resins in hydroxide form by centrifugation

ISO 4907-3:2023
Plastics — Ion exchange resin — Part 3: Determination of exchange capacity of anion exchange resins in hydroxide form

ISO 5684:2023
Adhesives — Floor covering adhesives and products for flooring installation — Assessment and classification of low volatile organic compound (VOC) products

ISO 22007-7:2023
Plastics — Determination of thermal conductivity and thermal diffusivity — Part 7: Transient measurement of thermal effusivity using a plane heat source

ISO 23949:2023
Plastics — Application of spread of flame test to plastic pipes

ISO/TC 68 SERVICII FINANCIARE

ISO/TR 24374:2023
Financial services — Security information for PKI in blockchain and DLT implementations

ISO/TC 71 BETON, BETON ARMAT SI BETON PRECOMPRIMAT

ISO/TS 16774-2:2023
Test methods for repair materials for water-leakage cracks in underground concrete structures — Part 2: Test method for chemical resistance

ISO/TS 16774-3:2023
Test methods for repair materials for water-leakage cracks in underground concrete structures — Part 3: Test method for water (wash out) resistance

ISO/TS 16774-4:2023
Test methods for repair materials for water-leakage cracks in underground concrete structures — Part 4: Test method for adhesion on wet concrete surface

ISO/TC 79 METALE USOARE SI ALIAJELE LOR

ISO 7217:2023
Titanium and titanium alloys — Bar, rod and billet — Technical delivery conditions

ISO/TC 85 ENERGIE NUCLEARA

ISO/ASTM 51900:2023
Guidance for dosimetry for radiation research

ISO/TC 89 PLACI PE BAZA DE LEMN

ISO 12460-1:2007/Amd 1:2023
Wood-based panels — Determination of formaldehyde release — Part 1: Formaldehyde emission by the 1-cubic-metre chamber method — Amendment 1: Other analytical procedures

ISO/TC 105 CABLURI DE OTEL

ISO 3444:2023
Stainless-steel wire ropes

ISO/TC 119 METALURGIA PULBERILOR

ISO 4491-2:2023
Metallic powders — Determination of oxygen content by reduction methods — Part 2: Loss of mass on hydrogen reduction (hydrogen loss)

ISO/TC 131 SISTEME HIDRAULICE SI PNEUMETICE

ISO/TR 6057:2023
Hydraulic fluid power — Sample calculations for ISO 11171

ISO/TC 137 SISTEM DE DESEMNARE A MARIMILOR SI MARCARE PENTRU ÎNCALTAMINTE - IN ASTEPTARE

ISO 19408:2023
Footwear — Sizing — Vocabulary

ISO/TC 138 TEVI, FITINGURI SI ROBINETE DE MATERIALE PLASTICE PENTRU TRANSPORTUL FLUIDELOR

ISO 161-1:2018/Amd 1:2023
Thermoplastics pipes for the conveyance of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series — Amendment 1

ISO 8639:2023
Glass-reinforced thermosetting plastics (GRP) pipes and fittings — Test methods for leaktightness and proof of structural design of flexible joints

ISO/TC 157 CONTRACEPTIVE MECANICE

ISO 7439:2023
Copper-bearing contraceptive intrauterine devices — Requirements and tests

ISO/TC 159 ERGONOMIE

ISO/TR 7015:2023
Ergonomics — The application of ISO/TR 12295, ISO 11226, the ISO 11228 series and ISO/TR 23476 in the construction sector (civil construction)

ISO/TR 25060:2023
Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — General framework for Common Industry Format (CIF) for usability-related information

ISO/TC 172 OPTICA SI FOTONICA

ISO 9022-23:2023
Optics and photonics — Environmental test methods — Part 23: Low pressure combined with cold, ambient temperature and dry or damp heat

ISO 23701:2023
Optics and photonics — Laser and laser-related equipment — Photothermal technique for absorption measurement and mapping of optical laser components

ISO/TC 184 SISTEME DE AUTOMATIZARI INDUSTRIALE SI STRUCTURI DE INTEGRARE

ISO/TS 15926-11:2023
Industrial automation systems and integration — Integration of life-cycle data for process

plants including oil and gas production facilities — Part 11: Simplified industrial usage of reference data based on RDFS methodology

ISO/TC 199 SECURITATEA MASINILOR

ISO 13849-1:2023
Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design

ISO/TC 204 SISTEME INTELIGENTE DE TRANSPORT

ISO/TS 5206-1:2023
Intelligent transport systems — Parking — Part 1: Core data model

ISO 21177:2023
Intelligent transport systems — ITS station security services for secure session establishment and authentication between trusted devices

ISO/TC 206 CERAMICA TEHNICA

ISO 24687:2023
Fine ceramics (advanced ceramics, advanced technical ceramics) — Measurement of Seebeck coefficient and electrical conductivity of bulk-type thermoelectric materials at room and high temperatures

ISO/TC 211 INFORMATII GEOGRAFICE

ISO/TS 19124-1:2023
Geographic information — Calibration and validation of remote sensing data and derived products — Part 1: Fundamentals

ISO 19156:2023
Geographic information — Observations, measurements and samples

ISO 19157-1:2023
Geographic information — Data quality — Part 1: General requirements

ISO 19160-4:2023
Addressing — Part 4: International postal address components and template language

ISO/TC 276 BIOTEHNOLOGIE

ISO 20404:2023
Biotechnology — Bioprocessing — General requirements for the design of packaging to contain cells for therapeutic use

ISO/TS 23494-1:2023
Biotechnology — Provenance information model for biological material and data — Part 1: Design concepts and general requirements

ISO/TC 282 RECICLAREA APEI

ISO 22519:2023
Membrane-based generation of water for injection (WFI)

ISO/TC 289 EVALUAREA MARCILOR

ISO 20671-3:2023
Brand evaluation — Part 3: Requirements and recommendations for brands related to geographical indications

ISO/TC 292 SECURITATE

ISO 22342:2023
Security and resilience — Protective security — Guidelines for the development of a security plan for an organization

ISO/TC 301 MANAGEMENTUL ENERGIEI SI ECONOMII DE ENERGIE

ISO/TS 50011:2023
Energy management systems - Assessing energy management using ISO 50001:2018

STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAŢIONALE IEC APROBATE

*În perioada **2023.04.01 – 2023.04.28***

IEC/CISPR COMITET INTERNATIONAL SPECIALIZAT ÎN INTERFERENTA RADIO

CISPR 16-1-4:2019/A2:2023
Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements

CISPR 16-1-4:2019+A1:2020+A2:2023 CSV
Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements

IEC/TC 4 TURBINE HIDRAULICE

IEC 63132-5:2023
Guidance for installation procedures and tolerances of hydroelectric machines - Part 5: Bulb turbines and generators

IEC 63132-6:2023
Guidance for installation procedures and tolerances of hydroelectric machines - Part 6: Vertical Pelton turbines

IEC/TC 8 ASPECTE ALE SISTEMULUI DE FURNIZARE A ENERGIEI ELECTRICE

IEC TR 62898-4:2023
Microgrids - Part 4: Use cases

IEC/TC 34 LAMPI SI ECHIPAMENTUL ASOCIAT

IEC 60838-2-3:2016/A1:2023
Amendment 1 - Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps

IEC 60838-2-3:2016+A1:2023 CSV
Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps

IEC 62386-250:2023
Digital addressable lighting interface - Part 250: Particular requirements - Integrated power supply (device type 49)

IEC 62386-251:2023
Digital addressable lighting interface - Part 251: Particular requirements - Memory bank 1 extension (device type 50)

IEC 62386-252:2023
Digital addressable lighting interface - Part 252: Particular requirements - Energy reporting (device type 51)

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Digital addressable lighting interface - Part 253: Particular requirements - Diagnostics and maintenance (device type 52)

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IEC 62439-3:2021/C1:2023
Corrigendum 1 - Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR)

IEC 62769-1:2023
Field Device Integration (FDI®) - Part 1: Overview

IEC 62769-100:2023
Field device integration (FDI®) - Part 100: Profiles - Generic protocols

IEC 62769-101-1:2023
Field device Integration (FDI)® - Part 101-1: Profiles - Foundation Fieldbus H1

IEC 62769-101-2:2023
Field Device Integration (FDI)® - Part 101-2: Profiles - Foundation Fieldbus HSE

IEC 62769-102-2:2023
Field device integration (FDI®) - Part 102-2: Profiles - EtherNet/IP

IEC 62769-103-1:2023
Field Device Integration (FDI)® - Part 103-1: Profiles - PROFIBUS

IEC 62769-103-4:2023
Field Device Integration (FDI)® - Part 103-4: PROFINET

IEC 62769-109-1:2023
Field device integration (FDI)® - Part 109-1: Profiles - HART® and WirelessHART®

IEC 62769-150-1:2023
Field device integration (FDI)® - Part 150-1: Profiles - ISA100

IEC 62769-151-1:2023
Field device integration (FDI®) - Part 151-1: Profiles - OPC UA

IEC 62769-2:2023
Field Device Integration (FDI®) - Part 2: Client

IEC 62769-3:2023
Field Device Integration (FDI®) - Part 3: Server

IEC 62769-4:2023
Field Device Integration (FDI®) - Part 4: FDI Packages

IEC 62769-5:2023
Field Device Integration (FDI®) - Part 5: FDI Information Model

IEC 62769-6:2023
Field Device Integration (FDI®) - Part 6: FDI Technology Mappings

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Field Device Integration (FDI®) - Part 6-100: Technology Mapping - .Net

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Field Device Integration (FDI®) - Part 7: Communication Devices

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Field device integration (FDI®) - Part 8:EDD to OPC-UA Mapping

IEC/TC 86 FIBRE OPTICE

IEC 60794-1-301:2023
Optical fibre cables - Part 1-301: Generic specification - Basic optical cable test procedures - Cable elements test methods - Bend test, method G1

IEC 60794-1-303:2023
Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Ribbon dimensions - Aperture gauge, method G3

IEC 60794-1-309:2023
Optical fibre cables - Part 1-309: Generic specification - Basic optical cable test procedures - Cable element test methods - Bleeding and evaporation of filling or flooding compounds, Method G9

IEC 61744:2023
Calibration of fibre optic chromatic dispersion test sets

IEC/TC 95 RELEE DE MASURA SI DISPOZITIVE DE PROTECTIE

IEC 60255-187-1:2021/C1:2023
Corrigendum 1 - Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors, generators and transformers

IEC/TC 113 STANDARDIZAREA ÎN DOMENIUL NANOTEHNOLOGIEI PENTRU PRODUSE SI SISTEME ELECTRICE SI ELECTRONICE

IEC TS 62607-6-2:2023
Nanomanufacturing - Key control characteristics - Part 6-2: Graphene - Number of layers: atomic force microscopy, optical transmission, Raman spectroscopy

PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAŢIONALE ISO SUPUSE ANCHETEI PUBLICE

*În perioada **2023.04.01 – 2023.04.28***

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CIE COMISIA INTERNATIONALA PENTRU ILUMINAT

ISO/CIE DIS 11664-5
Colorimetry — Part 5: CIE 1976 L*u*v* colour space and u', v' uniform chromaticity scale diagram
dea: 2023-06-27

ISO/CIE DIS 28077
Photocarcinogenesis action spectrum (non-melanoma skin cancers)
dea: 2023-06-27

ISO/TMBG CONSILIUL DE MANAGEMENT TEHNIC

ISO/IEC DIS 80079-41
Explosive atmospheres — Part 41: Reciprocating internal combustion engines
dea: 2023-07-14

ISO/IEC JTC 1 TEHNOLOGIA INFORMATIEI

ISO/IEC DIS 5153-1
Information Technology — City service platform for public health emergencies — Part 1: Overview and general requirements
dea: 2023-06-27

ISO/IEC DIS 10918-4
Information technology — Digital compression and coding of continuous-tone still images — Part 4: APPn markers
dea: 2023-07-07

ISO/IEC DIS 15444-4
Information technology — JPEG 2000 image coding system — Part 4: Conformance testing
dea: 2023-07-06

ISO/IEC DIS 19777-3
Information technology — Computer graphics and image processing — Extensible 3D (X3D) language bindings — Part 3: C
dea: 2023-07-04

ISO/IEC DIS 19777-4
Information technology — Computer graphics and image processing — Extensible 3D (X3D) language bindings — Part 4: Part 4 — C++
dea: 2023-07-04

ISO/IEC DIS 19777-5
Information technology — Computer graphics and image processing — Extensible 3D (X3D) language bindings — Part 5: Part 5 — C#
dea: 2023-07-04

ISO/IEC DIS 21031
Information technology — Software Carbon Intensity (SCI) specification
dea: 2023-07-19

ISO/IEC DIS 23001-17
Information technology — MPEG systems technologies — Part 17: Carriage of uncompressed video and images in ISO Base Media File Format
dea: 2023-07-19

ISO/IEC 23094-2:2021/DAmd 1
Information technology – General video coding — Part 2: Low complexity enhancement video coding — Amendment 1: Additional levels
dea: 2023-07-06

ISO/IEC DIS 27031
Information technology — Cybersecurity — Information and communication technology readiness for business continuity
dea: 2023-07-05

ISO/IEC DIS 27403
Cybersecurity – IoT security and privacy – Guidelines for IoT-domotics
dea: 2023-06-26

ISO/IEC DIS 27554
Application of ISO 31000 for assessment of identity-related risk
dea: 2023-06-27

ISO/IEC DIS 29794-1
Information technology — Biometric sample quality — Part 1: Framework
dea: 2023-07-07

ISO/TC 8 NAVE SI TEHNOLOGIE MARITIMA

ISO/DIS 5411
Submersibles — Terminology
dea: 2023-07-18

ISO 25862:2019/DAmd 1
Ships and marine technology — Marine magnetic compasses, binnacles and azimuth reading devices — Amendment 1
dea: 2023-06-27

ISO/TC 10 DOCUMENTATIE TEHNICA DE PRODUS

ISO/DIS 22014
Library objects for architecture, engineering, construction, and use
dea: 2023-07-04

ISO/TC 17 OTEL

ISO/DIS 11772
Hot rolled longitudinally profiled steel plate
dea: 2023-07-18

ISO/TC 20 AERONAUTICA SI SPATIU

ISO/DIS 14300-1
Space systems — Programme management — Part 1: Structuring of a project
dea: 2023-07-14

ISO/DIS 14300-2
Space systems — Programme management — Part 2: Product assurance
dea: 2023-07-17

ISO/DIS 16192
Space systems — Experience gained in space projects (lessons learned) — Principles and guidelines
dea: 2023-07-14

ISO/DIS 21384-4
Unmanned aircraft systems — Part 4: Vocabulary
dea: 2023-07-10

ISO/TC 21 ECHIPAMENT DE PROTECTIE LA FOC SI DE STINGERE A INCENDIULUI

ISO/DIS 7240-29
Fire detection and alarm systems — Part 29: Video fire detectors
dea: 2023-07-03

ISO/TC 22 VEHICULE RUTIERE

ISO 2575:2021/DAmd 1
Road vehicles — Symbols for controls, indicators and tell-tales — Amendment 1
dea: 2023-07-21

ISO/DIS 24605
Road vehicles — Dimethyl Ether (DME) refuelling connector with pressure equalization port
dea: 2023-07-19

ISO/TC 28 PRODUSE PETROLIERE SI LUBRIFIANTI

ISO/DIS 23581
Petroleum products and related products — Determination of kinematic viscosity — Method by Stabinger type viscometer
dea: 2023-07-19

ISO/TC 29 SCULE MICI

ISO/DIS 5686-1
Tapered polygonal interface with flat contact surface — Part 1: Shanks of type F, H, A
dea: 2023-06-26

ISO/DIS 5686-2
Tapered polygonal interface with flat contact surface — Part 2: Receivers of type F, H, A and X for shanks of type F, H and A
dea: 2023-06-26

ISO/TC 34 PRODUSE ALIMENTARE

ISO/DIS 5354-1
Molecular biomarkers — Detection of DNA in textiles derived from cotton — Part 1: Extraction of DNA from cotton and cotton-derived textile materials
dea: 2023-06-26

ISO/DIS 16140-7
Microbiology of the food chain — Method validation — Part 7: Protocol for the validation of identification methods of microorganisms
dea: 2023-07-20

ISO/TC 37 TERMINOLOGIE SI ALTE RESURSE LINGVISTICE

ISO/DIS 24613-6
Language resource management — Lexical markup framework (LMF) — Part 6: Syntax and semantics
dea: 2023-06-27

ISO/DIS 24620-5
Language resource management — Controlled human communication (CHC) — Part 5: Lexico-morpho-syntactic principles and methodology for personal data recognition and protection in texts (DataPro)
dea: 2023-07-14

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ISO/DIS 105-B04
Textiles — Tests for colour fastness — Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test
dea: 2023-07-14

ISO/DIS 105-C12
Textiles - Tests for colour fastness — Part C12: Colour fastness to industrial laundering
dea: 2023-07-20

ISO/DIS 1833-4
Textiles — Quantitative chemical analysis — Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite)
dea: 2023-07-06

ISO/DIS 18692-5
Fibre ropes for offshore stationkeeping — Part 5: Aramid
dea: 2023-07-06

ISO/TC 39 MASINI-UNELTE

ISO/DIS 2407
Test conditions for internal cylindrical grinding machines with horizontal spindle — Testing of accuracy
dea: 2023-07-11

ISO/DIS 8636-2
Machine tools — Test conditions for bridge-type milling machines — Part 2: Testing of the accuracy of travelling bridge (gantry-type) machines
dea: 2023-07-13

ISO/TC 43 ACUSTICA

ISO/DIS 16032
Acoustics — Measurement of sound pressure level from service equipment or activities in buildings — Engineering method
dea: 2023-07-13

ISO/TC 45 ELASTOMERI SI PRODUSE PE BAZA DE ELASTOMERI

ISO/DIS 813-2
Rubber, vulcanized or thermoplastic — Determination of adhesion to a rigid substrate — Part 2: Adhesion of a soft thermoplastic elastomer layer
dea: 2023-07-18

ISO/DIS 5771
Rubber hoses and hose assemblies for transferring anhydrous ammonia — Specification
dea: 2023-07-21

ISO/DIS 9924-3
Rubber and rubber products — Determination of the composition of vulcanizates and uncured compounds by thermogravimetry — Part 3: Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers
dea: 2023-07-04

ISO/DIS 21561-2
Styrene-butadiene rubber (SBR) — Determination of the microstructure of solution-polymerized SBR — Part 2: FTIR with ATR method
dea: 2023-06-30

ISO/TC 46 INFORMARE SI DOCUMENTARE

ISO/DIS 18128
Information and documentation - Records risks - Risk assessment for records management
dea: 2023-07-11

ISO/TC 58 BUTELII PENTRU GAZ

ISO 18119:2018/DAmd 2
Gas cylinders — Seamless steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing — Amendment 2
dea: 2023-07-20

ISO/TC 61 MATERIALE PLASTICE

ISO/DIS 6775
Plastics — Plastics identification using

Raman spectrometric methods
dea: 2023-06-27

ISO/DIS 8057
Determination of galvanic corrosion rate for assembled forms of carbon fibre reinforced plastics (CFRPs) and protection-coated metal — Electrochemical tests in neutral sodium chloride solution
dea: 2023-07-03

ISO/DIS 8065
Composites and reinforcements fibres — Mechanoluminescent visualization method of crack propagation for joint evaluation
dea: 2023-07-03

ISO/TC 68 SERVICII FINANCIARE

ISO/DIS 20937
Financial services — Specification of QR-codes for mobile (instant) credit transfers
dea: 2023-07-19

ISO/TC 94 SECURITATEA PERSOANEI-ÎMBRACAMINTE SI ECHIPAMENTE DE PROTECTIE

ISO/DIS 374-6
Protective gloves against dangerous chemicals and micro-organisms — Part 6: Protective gloves for hairdressers
dea: 2023-07-13

ISO/TC 96 MASINI DE RIDICAT

ISO/DIS 9374-4
Cranes — Information to be provided — Part 4: Jib cranes
dea: 2023-07-19

ISO/TC 107 ACOPERIRI METALICE SI ALTE ACOPERIRI ANORGANICE

ISO/DIS 9717
Metallic and other inorganic coatings — Phosphate conversion coating of metals
dea: 2023-07-14

ISO/TC 110 CARUCIOARE DE MANIPULARE

ISO/DIS 5053-3
Industrial trucks — Vocabulary — Part 3: Accessories and components
dea: 2023-07-07

ISO/TC 117 VENTILATOARE INDUSTRIALE

ISO/DIS 12759-6
Fans — Efficiency classification for fans — Part 6: Calculation of the fan energy index
dea: 2023-07-13

ISO/TC 118 COMPRESOARE, SCULE SI MASINI PNEUMATICE

ISO/DIS 18623-1
Air compressors and compressed air systems — Part 1: Air compressor safety requirements
dea: 2023-07-18

ISO/TC 121 ECHIPAMENTE PENTRU ANESTEZIE SI REANIMARE

ISO 81060-2:2018/DAmd 2
Non-invasive sphygmomanometers — Part 2: Clinical investigation of intermittent automated measurement type — Amendment 2
dea: 2023-07-03

ISO/TC 131 SISTEME HIDRAULICE SI PNEUMETICE

ISO/DIS 12829
Hydraulic spin-on filters with finite lives — Method for verifying the rated fatigue life and the rated static burst pressure of the pressure-containing envelope
dea: 2023-06-27

ISO/TC 135 EXAMINARI NEDISTRUCTIVE

ISO/DIS 18563-3
Non-destructive testing — Characterization and verification of ultrasonic phased array equipment — Part 3: Complete systems
dea: 2023-07-05

ISO/TC 136 MOBILIER

ISO/DIS 12808
Hardware for furniture — Strength and durability of extension elements and their components
dea: 2023-07-17

ISO/TC 138 TEVI, FITINGURI SI ROBINETE DE MATERIALE PLASTICE PENTRU TRANSPORTUL FLUIDELOR

ISO/DIS 10928
Plastics piping systems — Glass-reinforced thermosetting plastics (GRP) pipes and fittings — Methods for regression analysis and their use
dea: 2023-07-17

ISO/TC 142 ECHIPAMENT DE CURATIRE PENTRU AER SI ALTE GAZE

ISO/DIS 29464
Cleaning of air and other gases — Terminology
dea: 2023-07-20

ISO/TC 156 COROZIUNEA METALELOR SI ALIAJELOR

ISO/DIS 9813
Corrosion of metals and alloys — Performance test method for corrosion inhibitors used in chemical cleaning of industry equipment
dea: 2023-06-30

ISO/TC 161 ARZATOARE CU COMBUSTIBIL GAZOS SAU LICHID SI DISPOZITIVE PENTRU ARZATOARE CU COMBUSTIBIL LICHID SAU GAZOS

ISO/DIS 23551-1
Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 1: Automatic and semi-automatic shut-off valves
dea: 2023-06-29

ISO/DIS 23551-11
Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 11: Automatic and semi-automatic shut-off valves for operating pressure of above 500 kPa up to and including 6 300 kPa
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ISO/DIS 6334
Thermal insulation products for building equipment and industrial installations — Expanded Perlite products — Specification
dea: 2023-06-26

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ISO/DIS 24322
Timber structures — Methods of test for evaluation of long-term performance — Part 1: wood-based products in bending
dea: 2023-07-05

ISO/DIS 24323
Timber structures — Design method for vibrational serviceability of timber floors
dea: 2023-07-03

ISO/TC 170 INSTRUMENTE CHIRURGICALE

ISO/DIS 7151
Surgical instruments — Non-cutting, articulated instruments — General requirements and test methods
dea: 2023-07-10

ISO/TC 172 OPTICA SI FOTONICA

ISO/DIS 7921
Ophthalmic optics and instruments — Near vision charts
dea: 2023-07-04

ISO/DIS 14880-2
Optics and photonics — Microlens arrays — Part 2: Test methods for wavefront aberrations
dea: 2023-07-05

ISO/DIS 14880-3
Optics and photonics — Microlens arrays — Part 3: Test methods for optical properties other than wavefront aberrations
dea: 2023-07-04

ISO/DIS 14880-4
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dea: 2023-07-04

ISO/DIS 19012-4
Microscopes — Designation of microscope objectives — Part 4: Polarization characteristics
dea: 2023-07-10

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ISO/DIS 8000-114
Data quality — Part 114: Master data: Application of ISO/IEC 21778 and ISO 8000-115 to portable data
dea: 2023-07-20

ISO/TC 190 CALITATEA SOLULUI

ISO/DIS 24212
Remediation techniques applied at contaminated sites
dea: 2023-07-04

ISO/TC 193 GAZE NATURALE

ISO/DIS 11626
Natural gas — Determination of sulfur compounds — Determination of hydrogen sulfide content by UV absorption method
dea: 2023-07-14

ISO/TC 198 STERILIZAREA PRODUSELOR DE ÎNGRIJIREA SANATATII

ISO/DIS 11137-1
Sterilization of health care products — Radiation — Part 1: Requirements for the development, validation and routine control of a sterilization process for medical devices
dea: 2023-07-07

ISO/DIS 15883-2
Washer-disinfectors — Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for critical and semi-critical medical devices
dea: 2023-07-17

ISO/DIS 15883-3
Washer-disinfectors — Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers
dea: 2023-07-17

ISO/TC 199 SECURITATEA MASINILOR

ISO/DIS 11161
Safety of machinery — Integration of machinery into a system — Basic requirements
dea: 2023-07-04

ISO/TC 206 CERAMICA TEHNICA

ISO/DIS 5618-1
Fine ceramics (advanced ceramics, advanced technical ceramics) --Test method for GaN crystal surface defects — Part 1: Part 1: Classification of defects
dea: 2023-06-27

ISO/DIS 19606
Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for surface roughness of fine ceramic films by atomic force microscopy
dea: 2023-07-04

ISO/TC 214 PLATFORME RIDICATOARE DE LUCRU

ISO/DIS 16368
Mobile elevating work platforms — Design, calculations, safety requirements and test methods
dea: 2023-06-26

ISO/TC 215 INFORMATICA MEDICALA

ISO/DIS 10781
Health Informatics — HL7 Electronic Health Record-System Functional Model, Release 2.1 (EHR FM)
dea: 2023-07-06

ISO/DIS 16527
Health informatics — HL7 Personal Health Record System Functional Model, Release 2 (PHRS FM)
dea: 2023-07-06

ISO/TC 218 LEMN

ISO/DIS 13061-13
Physical and mechanical properties of wood — Test methods for small clear wood specimens — Part 13: Determination of radial and tangential shrinkage
dea: 2023-06-29

ISO/DIS 13061-14
Physical and mechanical properties of wood — Test methods for small clear wood specimens — Part 14: Determination of volumetric shrinkage
dea: 2023-06-29

ISO/TC 258 MANAGEMENTUL PROIECTELOR PROGRAMELOR SI PORTOFOLIILOR

ISO/DIS 21512
Project, programme and portfolio

management – Earned value management implementation guidance
dea: 2023-06-26

ISO/TC 261 FABRICATIA ADITIVA

ISO/ASTM DIS 52938-1
Additive manufacturing of metals — Environment, health and safety — Part 1: Safety requirements for PBF-LB machines
dea: 2023-07-20

ISO/ASTM DIS 52943-2
Additive manufacturing for aerospace — Process characteristics and performance — Part 2: Directed energy deposition using wire and arc
dea: 2023-07-10

ISO/ASTM DIS 52953
Additive manufacturing for metals — General principles — Registration of geometric data acquired from process-monitoring and for quality control
dea: 2023-07-19

ISO/TC 269 APLICATII FEROVIARE

ISO/DIS 5735-1
Railway infrastructures — Non-destructive testing on rails in track — Part 1: Requirements for ultrasonic inspection and evaluation principles
dea: 2023-07-20

ISO/TC 281 TEHNOLOGIA BULELOR FINE

ISO/DIS 7428-1
Fine bubble technology — Domestic applications — Part 1: Assessment of showerhead devices by evaluating size and concentration indices of generated fine bubbles
dea: 2023-07-03

ISO/DIS 7429-1
Fine bubble technology — Industrial and consumer device applications — Part 1: Assessment of water pressure driven nozzles by evaluating size and concentration indices of generated fine bubbles
dea: 2023-06-26

ISO/TC 296
ISO/DIS 5942
Bamboo-wood composite for container flooring
dea: 2023-06-30

ISO/TC 300 COMBUSTIBILI SOLIZI RECUPERATI

ISO/DIS 4349
Solid recovered fuels — Determination of the Recycling Index for co-processing
dea: 2023-07-20

ISO/TC 323

ISO/DIS 59004
Circular Economy – Terminology, Principles and Guidance for Implementation
dea: 2023-07-17

ISO/DIS 59010
Circular Economy - Guidance on the transition of business models and value networks
dea: 2023-07-17

ISO/DIS 59020
Circular economy — Measuring and assessing circularity
dea: 2023-07-17

ISO/TC 334

ISO/DIS 33405
Reference materials — Guidance for characterization and assessment of homogeneity and stability
dea: 2023-07-03

ISO/DIS 33406
Guidance for the production of reference materials with qualitative properties
dea: 2023-07-19

ISO/PC 337

ISO/DIS 53800
Guidelines for promotion and implementation of gender equality and women’s empowerment
dea: 2023-07-17

PROIECTE DE STANDARDE / DOCUMENTE DE STANDARDIZARE INTERNAŢIONALE IEC SUPUSE ANCHETEI PUBLICE

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IEC/CISPR COMITET INTERNATIONAL SPECIALIZAT ÎN INTERFERENTA RADIO

CISPR 11 ED7
Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
dea: 2023-06-30

CISPR 11 ED7
Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
dea: 2023-06-30

CISPR 15/AMD1 ED9
Amendment 1 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
dea: 2023-07-14

IEC 61000-6-3/AMD1/FRAG1 ED3
Amendment 1/Fragment 1: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments - Miscellaneous items on General Maintenance
dea: 2023-06-30

IEC 61000-6-3/AMD1/FRAG1 ED3
Amendment 1/Fragment 1: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments - Miscellaneous items on General Maintenance
dea: 2023-06-30

IEC/TC 2 MASINI ELECTRICE ROTATIVE

IEC 60034-12 ED4
Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors
dea: 2023-07-21

IEC 60034-30-3 ED1
Rotating electrical machines - Part 30-3: Efficiency classes of high voltage AC motors (IE code)
dea: 2023-07-14

IEC/TC 9 ECHIPAMENTE SI SISTEME ELECTRICE PENTRU TRACTIUNE ELECTRICA

IEC 62290-1 ED3
Railway applications - Urban guided transport management and command/control systems - Part 1: System principles and fundamental concepts
dea: 2023-07-21

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IEC 62290-3 ED2
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Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment
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High-voltage test techniques - Part 2: Measuring systems
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